

20000426.qrp v01_n803.qrl.20000426

Date: Wed, 26 Apr 2000 19:03:04 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1803

QRP-L Digest 1803

Topics covered in this issue include:

- 1) [68672] Just type 209.140.206.201 and you will get to ARRL site
by "Bob Duckworth" <wb4mnf@atl.org>
- 2) [68673] QRPTTF - plans of the QRP Cheeseheads ARC
by "Jerry Scherkenbach" <jerrys@execpc.com>
- 3) [68674] SMK #115 arrived today
by N10DL@aol.com
- 4) [68675] NE602 direct replacement?
by Kg2jff@aol.com
- 5) [68676] Re: NE602 direct replacement?
by Bruce Kizerian <kizerian@ced.utah.edu>
- 6) [68677]
by "M Rice" <ka4niv@mindspring.com>
- 7) [68678] Don't Read This.....Unless
by "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
- 8) [68679] Looking for Small Loop Mathematical Theory
by "EA5XQ (Juan A. Bertolin)" <ea5xq@qsl.net>
- 9) [68680] Re: SMK-1: Will Ship Wednesday
by Rod Johnson <ka7you@juno.com>
- 10) [68681] ULS
by "Jerry W. O'Dell" <jwodell@ameritech.net>
- 11) [68682] Re: ARRL Website Hacked
by "John J. McDonough" <wb8rcr@arrl.net>
- 12) [68683] SMK-1 Alive in Fresno
by dave_epps@juno.com
- 13) [68684] SMK-1 trials and tribulations...
by "KA5T Larry Wise" <lewise@inetport.com>
- 14) [68685] RE: SMK alive in Fresno
by N10DL@aol.com
- 15) [68686] Re: QST QRP page
by w4bws@juno.com
- 16) [68687] Re: OT: I need some help with SWL Questions
by Vince Werber <ka1iic@ime.net>
- 17) [68688] Re: Speaking of melted solder.....
by AdamN7YA@aol.com
- 18) [68689] QRQ Net Practice Sentences for 4/30
by Ed Loranger <we6w@qsl.net>
- 19) [68690] Re: Speaking of melted solder.....

- by David Newkirk <dpnewkirk@home.com>
- 20) [68691] Re: Small Keyer Recommendation?
by S LYON <sslyon@worldnet.att.net>
- 21) [68692] Re: Speaking of melted solder.....
by "Mike Yetzko" <myetzko@insydesw.com>
- 22) [68693] SMK-1:# 40 is aliave and well!
by Darrel Swenson <darrel_kb0awb@tconl.com>
- 23) [68694] Re: Speaking of melted solder.....
by Bruce Muscolino <w6toy@erols.com>
- 24) [68695] SMK-1 Comments and Hints
by Allen Blacker <ablacker@mediaone.net>
- 25) [68696] First QSO on K2 #1068
by "Bill Allen" <bill@pcatexas.com>
- 26) [68697] Re: Small Keyer Recommendation?
by "Nick Yokanovich" <k3ny@toad.net>
- 27) [68698] Cajun Meaux Jo, W/R ANT
by hamjoel@juno.com
- 28) [68699] Bulgaria 2 X QRP
by W9SUL <pugrad@millcomm.com>
- 29) [68700] Re: First QSO on K2 #1068
by "Dan W. Dooley" <dandooley@pipeline.com>
- 30) [68701] Re: SMK-1 trials and tribulations...
by "Mont Pierce, KM6WT" <mont@inreach.com>
- 31) [68702] Re: First QSO on K2 #1068
by GElam30092@aol.com
- 32) [68703] OT - Computer help
by JClinton46@aol.com
- 33) [68704] Re: OT - Computer help
by "Michael Bower - N4NMR" <bowerm@ix.netcom.com>
- 34) [68705] RE: ARRL Website Hacked
by Karl Kanalz <KKanalz@excel.com>
- 35) [68706] Re: SMK-1: Suggested reading and feedback
by Richard Matthews <prm@hiwaay.net>
- 36) [68707] SMK-1 parts
by "Walt Amos" <k8cv@worldspy.net>
- 37) [68708] Mendelson's Lets the Smoke Out!
by Nils R Young <nilsbull@juno.com>
- 38) [68709] QRPTTF/MM in Arkansas
by Jim Hale <kj5tf@yahoo.com>
- 39) [68710] Today 4/26 marine mobile
by Jim Hale <kj5tf@yahoo.com>
- 40) [68711] Re: SMK-1 parts
by "John Nall" <nally@talstar.com>
- 41) [68712] Re: Mendelson's Lets the Smoke Out!
by "Randy Randall" <RANDALLR@Healthall.com>
- 42) [68713] Re: OT - Computer help
by JClinton46@aol.com
- 43) [68714] Re: Boing

by "Mark Hogan" <mhogan@email.msn.com>
44) [68715] Re: OT - Computer help
by JClinton46@aol.com
45) [68716] Re: OT- Mendelson's Lets the Smoke Out!
by "Randy Randall" <RANDALLR@Healthall.com>
46) [68717] Re: OT - Computer help
by "Mike Yetsko" <myetsko@insydesw.com>
47) [68718] Re: Boing
by Richard Matthews <prm@hiwaay.net>
48) [68719] Re: OT - Computer help
by Dave Sjolin <sjolin@swbell.net>
49) [68720] Solder Flux Fumes
by Stanley A McIntosh <mcintos@basf-corp.com>
50) [68721] Re: OT - Computer help
by Paul Womble <pwomble1@tampabay.rr.com>
51) [68722] Re: Small Keyer Recommendation
by "Bradfield, Brad V." <BBradfield@spectrapoint.com>
52) [68723] Back to Vacuum Tube Technology
by Roger J Wendell <zeekzilch@juno.com>
53) [68724] Poqet Plus forsale
by Bill Nicolson <n2wf@erols.com>
54) [68725] Re: Solder Flux Fumes
by "Mike Yetsko" <myetsko@insydesw.com>
55) [68726] RE: Solder Flux Fumes Disagree about Fumes.
by Dave Barrett <DBarrett@creo.com>
56) [68727] K1EL K10 Keyer info needed.
by REDSBOY@aol.com
57) [68728] Solder Sniffing
by Bruce Muscolino <w6toy@erols.com>
58) [68729] OT: LZ2RS/QRP needs advice on big Log Periodics
by Allan G Taylor <agtaylor@llnl.gov>
59) [68730] SMK-1 mailing. Postage refunds
by WA6GER@aol.com
60) [68731] For Sale
by Dan Copeland <kf0ov@alltel.net>
61) [68732] Re: OT - Computer help
by Joe Reed <joe@n9jr.dyndns.org>
62) [68733] Which DSW kit to buy?
by ABCQRP <w6abc@yahoo.com>
63) [68734] For Sale: W6MMA 80-10 SLV Coil
by Paul Womble <pwomble1@tampabay.rr.com>
64) [68735] Re: K1EL K10 Keyer info needed.
by Shephed@aol.com
65) [68736] Re: Which DSW kit to buy?
by igeq100@iupui.edu
66) [68737] SMK-1 Toroid
by dave_epps@juno.com
67) [68738] Solder Pot

- by "Marshall Emm" <mgemm@mtechnologies.com>
- 68) [68739] gounding
by Dave Pomeroy <dave_pomeroy@yahoo.com>
- 69) [68740] Which DSW rig...Thanks!
by ABCQRP <w6abc@yahoo.com>
- 70) [68741] Looking for a Poquet
by Mercxx@aol.com
- 71) [68742] SMK-1: Great job on posts and keep the feedback coming
by "Doug Hendricks" <ki6ds@hotmail.com>
- 72) [68743] April 2000 Quarterly
by Ray Colbert <af852@rgfn.epcc.edu>
- 73) [68744] Battery Charging Question
by "Joel Kluender, NF9K" <nf9k@eudoramail.com>
- 74) [68745] where $Z = V_{cc}^2 / (2 \times P_o)$ comes from
by Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>
- 75) [68746] Re: April 2000 Quarterly
by Ray Colbert <af852@rgfn.epcc.edu>
- 76) [68747] Re: Battery Charging Question
by Jim Slouber <jslouber@highsierraelectronics.com>
- 77) [68748] WTB: ZM2
by john@neknetwork.com
- 78) [68749] RE: NO antennas allowed!
by "Gary Lee Phillips" <ka9nzi@arrl.net>
- 79) [68750] SMK-1: Suggested reading and feedback
by "Doug Hendricks" <ki6ds@hotmail.com>
- 80) [68751] Re: [Elecraft] Charging Lead Acid Batteries
by "Richard E. Robinson" <rerobins@email.uncc.edu>
- 81) [68752] Re: SMK-1 mailing. Postage refunds
by Barry J Minsky <w2bj@juno.com>
- 82) [68753] SS Clean Sweep Cups
by "K7FD" <cqdx@teleport.com>
- 83) [68754] Re: Back to Vacuum Tube Technology
by "Dan W. Dooley" <dandooley@pipeline.com>
- 84) [68755] SMK-1 trials and tribulations...
by "KA5T Larry Wise" <lewise@inetport.com>
- 85) [68756] Re: where $Z = V_{cc}^2 / (2 \times P_o)$ comes from
by "Bob Tellefsen" <n6wg@earthlink.net>
- 86) [68757] SMK-1
by K2UD@aol.com
- 87) [68758] Re: Speaking of melted solder.....
by "K3GM" <k3gm@home.com>
- 88) [68759] April QRP Qtrly - Cheaper 2n3553's
by Michael Melland <badger@vbe.com>

Date: Tue, 25 Apr 2000 19:07:44 +0100
From: "Bob Duckworth" <wb4mnf@atl.org>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [68672] Just type 209.140.206.201 and you will get to ARRL site
Message-ID: <200004252308.TAA07200@hat-trick.atl.org>

I bet it was a typo, not a hack :-)

If your name server still has the incorrect address cached you can use.
209.140.206.201 which is www.arrl.org
Just key in the address rather than the server name.

The root servers are pointing to the correct name servers and the
correct name servers are pointing to ARRL.ORG so the correct
address will eventually find it's way back to your dns.

-bob
Wb4mnf

Date: Tue, 25 Apr 2000 23:13:45 -0500
From: "Jerry Scherkenbach" <jerrys@execpc.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Cc: "WA9TZE, Jim Akre" <jsakre@execpc.com>, "NK9G, Rick" <mcgaver@execpc.com>,
"AE9K, Brian" <ae9k@yahoo.com>,
"Richoz, Lon R (MED)" <Lon.Richoz@amersmx.med.ge.com>
Subject: [68673] QRPTTF - plans of the QRP Cheeseheads ARC
Message-ID: <01cc01bfaf35\$d1750d60\$f343cfa9@Pjerrys>

Finally, living near Lake Michigan will have an advantage. Hopefully, we
won't have the big east wind making for a nasty wind chill. Some of the
members of the QRP Cheeseheads ARC will be making their way to Grant Park in
Milwaukee county to operate from the bluffs overlooking Lake Michigan. That
makes us an OC entry. We'll have a real assortment of radios on
hand.....Argo 515, Argosy, HW-8, NC20, Sierra, and who knows what
else may show up. We will be battery powered. Antennas.....its looking
like a G5RV, 20 mtr delta loop and 15 mtr delta loop. We are going to try
to put 3 stations on the air.

We will each be using our own callsigns and are looking forward to providing
you with a 20 point QS0.

Operators:

Brian, AE9K
Jerry, N9AW
Rick, NK9G
Lon, W9XU
Jim, WA9TZE

C U ALL in QRPTTF and we wish you all Good Luck. Hope everyone has a lot of fun.

72

Jerry N9AW

Date: Tue, 25 Apr 2000 19:13:58 EDT
From: N10DL@aol.com
To: qrp-1@lehigh.edu
Subject: [68674] SMK #115 arrived today
Message-ID: <60.27819da.263780b6@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

It's here... Boy are these components small. Read the manual and it looks like it is going to be lots of fun. I am just finishing up my OHR100A and should be finished tonight or tomorrow evening. Hope to have the kit done by the weekend so I can try it for the QRPTTF. Have had very little time to get on the air these last two weeks and am hoping to get back into my Min 1 contact per day groove.

I will be posting my thoughts and comments as I go along, as Doug suggests. Baack to the OHR...

Aron

N10DL/qrp

Bedford, NH

Date: Tue, 25 Apr 2000 19:17:32 EDT
From: Kg2jff@aol.com
To: qrp-1@lehigh.edu
Subject: [68675] NE602 direct replacement?
Message-ID: <e6.486bf64.2637818c@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I know this was discussed in the past, but my search of the archives failed to answer my question: is a NE602AN a direct replacement for a NE602? If not could someone steer me to a direct replacement.

Thanks in advance.....Jerry kg2jf

Date: Tue, 25 Apr 2000 17:44:10 -0600
From: Bruce Kizerian <kizerian@ced.utah.edu>
To: Kg2jf@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [68676] Re: NE602 direct replacement?
Message-ID: <39062DCA.931D41CB@ced.utah.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

SA602AN

Kg2jf@aol.com wrote:

> I know this was discussed in the past, but my search of the archives failed
> to answer my question: is a NE602AN a direct replacement for a NE602? If not
> could someone steer me to a direct replacement.
>
> Thanks in advance.....Jerry kg2jf

Date: Tue, 25 Apr 2000 20:03:50 -0400
From: "M Rice" <ka4niv@mindspring.com>
To: <qrp-1@Lehigh.EDU>
Message-ID: <006101bfaf12\$e7ab5260\$8ac5f7a5@ms745206>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

mail POSTPONE

Date: Tue, 25 Apr 2000 19:22:38 -0500
From: "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>
Subject: [68678] Don't Read This.....Unless
Message-ID: <0974781F4FC8D211A24600902727E806011B2125@saturn.rose.cc.ok.us>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Hi All,

Just ran by the UPS non-delivery place that can't find my wildlife refuge out in the country where there is plenty of room for antennas, the birds love the wires and the Bald Eagles love the high towers and big beams. (I even have a small Tri-bander that I can't use right now because a Bald Eagle has built a nest on the top side of the beam!). I guess I should have realized that I would have this kind of problem and not moved unto this 87 acre paradise with a 20 acre Bass pond 50 feet from my front door. Anyway, back to the subject. I picked up a new QRP project. I thought I would try to modify a K-2 for class D CW and class A (ultra linear) SSB with hi-fidelity audio. I just love a rig with excellent audio. I plan to change all of the power supplies to switching supplies. Each transistor will have its own nanite switcher to conserve power from the 13.8 volt battery/solar array. The solar array is big enough to run the solid state 1.2 KW amplifier, but the battery smooths out the fluctuations from the periods of darkness that occur in this part of the country (Oklahoma) from about 0200 UTC until about 1200 UTC this time of year. We still don't know what causes this, but we are working on it. I know you are all asking where I found a 13.8 volt battery. I had it specially built for my QRP operation so I could get a little more operating time than those of you that operate off of twelve volt batteries. It's NiMH so it has more capacity than a NiCa type. I put these chemical formulas in here because my wife is a science/math professor that is head of the aviation department at the college and teaches people to fly (airplanes). She likes it when I sound educated.

I got the rig built and modified just before I wrote this note, but I had to put off the list of jobs my boss gave me to do first. I have so many jobs that have been pre-empted by higher priority jobs the oldest jobs are coming around for a second and third time. Some of the jobs are so old they don't even make the parts to fix them anymore. It makes for more boat anchors for the next hamfest. Anyway, the Class D (one step more efficient than class E) CW portion will only work on 27.185 Mhz. I haven't figured out why this is, but I have the circuit emailed to the K-2 guys and they said I should have an answer by midnight or they would quit making the K-2. You guys are GREAT! As for the class A SSB hi-fidelity audio, the rig now does SSB over the entire HF spcetrum.....all at once! My Good-Buddy neighbor (5 miles down the road) says he has been trying to get his rig (a Cobra, I think, whatever that is) to do this for years. He said I should get a patent and wants me to fix his the same way. I really don't trust him too much. He's kinda like a snake in the grass.

I know I'm just a gonna' get all kinds of trash mouth over this and probably alot of Fires and Brimstone from you know where so at least do it off line

so's I won't have to read it. That way the only thing that will get burned is the tips of your fingers from typing so hard and fast 'cause all of that adrenalin that will be flowing.

Ya' all was warned in the beginning so ifin you got this far and haven't burst a blood vessel or had a TIA, just remember this "Truckers Friend" located on the Thousand Oaks Wildlife and Environmental Refuge (T.O.W.E.R. we didn't name it that for nothin') located between the Turner Turnpike and old Route 66 about 40 miles Northeast of Oklahoma City where QRP'ers have a field day operating with super high gain antennas that make 100 milliwatts sound like a Killowatt because we got the room and the neighbors say the antennas are for the birds! If you are ever out this way, drop on by. We can always be reached on the Buffalo Link (check your latest ARRL directory for the frequencies), but we prefer you use our callsign instead of our good buddy name on the repeater. The fishing is great and you don't need a license except to talk on the radio unless its that other QRP radio and then you don't need a license to talk on that one, you don't even need a brain. We always put a steak on the grill for company and for those that like to try QRP aeronautical, we are always looking for an excuse to go fly the bi-plane if I can get help opening the barn door. Don't be afraid of the open cockpit, 'cause you are strapped in, but you really have to hang onto that rig at the top of the loop! The loop is what gets the long wire stretched out so the rig will load up correctly. Gotta do it so just get used to the idea.

My xyl would just love to bake you an apple or peach pie with fresh fruit picked from the orchard.

Please excuse the construction as this IS a big place with lots going on.

Love, Peace and good DX to all you QRPpee-ers, Whiners and what have ya'

Hal - WB9VMY

qrp-l#2129 SOC#70 Ten-ten#18490 WAS 80 meters # (I don't remember this one)

Date: Tue, 25 Apr 2000 12:56:57 +0200
From: "EA5XQ (Juan A. Bertolin)" <ea5xq@qsl.net>
To: QRP - LIST ADDRESS <qrp-l@Lehigh.EDU>, GQRP LIST ADDRESS <GQRP@onelist.com>
Subject: [68679] Looking for Small Loop Mathematical Theory
Message-ID: <390579F9.501AC774@qsl.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello to everybody,

Yesterday I got an article from Ted Hart, W5QJR, called "Small, High-Efficiency Loop Antennas" and I found several formulas that are quite different from the ones that I had from other sources.

Anyone knows the e-mail address of Ted in order to send him some questions in relation to the formulas?

Thanks

--

=====
EA5XQ, QRA:Juan, QTH:Almazora, LOC:IM99XW
FT901DM, MFJ1796,V inv. 40,80m.
HOWES (80m,40m,30m,20m) TX2000-DXR20 5w
G-QRP #9805 QRP-L #1461

Visit my Web Site: <http://www.qsl.net/ea5xq>

When I picture a perfect reader, I always picture a monster of courage and curiosity, also something supple, cunning, cautious, a born adventurer and discoverer...

-- Friedrich Nietzsche--

=====

Date: Tue, 25 Apr 2000 20:34:09 EDT
From: Rod Johnson <ka7you@juno.com>
To: ki6ds@hotmail.com
Cc: qrp-l@Lehigh.EDU
Subject: [68680] Re: SMK-1: Will Ship Wednesday
Message-ID: <20000425.165044.4479.3.ka7you@juno.com>

Doug,

I sure wish you could patent that shipping procedure. I've never-ever-received anything so fast, so as to have it arrive before it is shipped. :>) That is one FAST Geo Metro!

Thanks for the great service!

Rod Johnson KA7YOU from grid CN97AK near Issaquah, Wa.
80M thru 10M with K2 s/n268 and other fine QRP rigs.
VHF thru 1296 MHz-higher bands pending
ARCI-QRP #7251 QRP-L #844 NWQRP #120 NorCal #2007 SOC#184 and
others

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<http://dl.www.juno.com/get/tagh>.

Date: Tue, 25 Apr 2000 20:36:21 -0400
From: "Jerry W. O'Dell" <jwodell@ameritech.net>
To: qrp-l@lehigh.edu
Subject: [68681] ULS
Message-ID: <4.2.2.20000425203514.00a47ed0@mailhost.detroit.mi.ameritech.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Just looking at QRZ, and apparently ULS is
dead, to be replaced by another system. Hope
I'm right.

The king is dead, long live that awful king.

73 jerry w8gnd

Date: Tue, 25 Apr 2000 20:53:40 -0400
From: "John J. McDonough" <wb8rcr@arrl.net>
To: <wyn@worldnet.att.net>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [68682] Re: ARRL Website Hacked
Message-ID: <00e201bfaf19\$de74c120\$010044c0@Conor.baycty1.mi.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

-----Original Message-----
From: Clay N4AOX <wyn@worldnet.att.net>
Subject: Re: ARRL Website Hacked

>Not sure how this is QRP related. Was the hacker a minimalist radio
>operator? ;-)

Judging from the message - yes!

72/73 de WB8RCR <http://members.home.com/wb8rcr/index.htm>
didileydadidah QRP-L #1446 Code Warriors #35

Date: Tue, 25 Apr 2000 18:10:24 -0700
From: dave_epps@juno.com
To: qrp-l@lehigh.edu
Subject: [68683] SMK-1 Alive in Fresno
Message-ID: <20000425.181215.-194315.0.dave_epps@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

First contact Ed WE6W and he gave a good report even though it is a pile
of clip leads now.

The receiver seems to be better than the original version. The muteing,
sidetone and qsk are really great. Looking for a SMK-1 to SMK-1 contact
on 7039 +/-

dave ab5pc fresno, ca.

YOU'RE PAYING TOO MUCH FOR THE INTERNET!
Juno now offers FREE Internet Access!
Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Wed, 26 Apr 2000 01:19:46 +0100
From: "KA5T Larry Wise" <lewise@inetport.com>
To: "qrp" <qrp-l@lehigh.edu>
Subject: [68684] SMK-1 trials and tribulations...
Message-ID: <200004260119.UAA06418@admin.inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Gang:

Viola...The 56 ohm resistor is found!!!

Thought I'd give one more look before I brought on the vacuum....Hung both of the bench lights, which are on goosenecks, over the front side of the bench and started looking...Was there on my hands and knees(no small trick for an old gray hair... :-) and boom... there it sat, nestled on the edge of the carpet pile.....

Big Grin..... :-)

Now I hate to admit this, but I tried this kit with the same old tools and stuff that I have been using for all my building...

Two 1 in x 2 in x 3 in steel blocks to keep the old board from moving...Use them one on top of the other for a sort of vice sometimes, and other times just against the board on the bench to keep it from moving....

A Radio Shack 15 watt iron that happens to have a tip that is a conical one that goes down to about 1/16 in at the end...May be a little hot for the job, but can be used....Seemed to be small enough....

A roll of the prescribed silver content solder that I found in the tool box....Radio Shack 62/36/2 tin/lead/silver in .022 dia....

Fingers for picking up the parts...yes, big ole' klutzy fingers.... Those little critters don't seem to go 'PING' out of your fingers like they might with tweezers....Used a small food cup to keep the multiples of parts....set on my LEFT side so I don't clobber it with my right handed soldering iron gyrations....

Toothpick for the left hand as a parts holder til i could get the critter stuck the first time. This is definitely substandard to some type of mechanical hold down...one that doesn't shake so much... :-)
The biggest problem I had was with the dome on first pad tinning... and it was the smallest that I could seem to create...Tried it a few times with just the tinning on the pads, but not quite enough to do the job... Those little critters seemed slick on the pads and it was difficult to hold them still in position with the left hand while shaking over to pick up the soldering iron with the right hand....Got to built one of those hold downs....

Small phillips screwdriver for the right hand to push the chip into position while holding down on it with the left hand and toothpick..
By the way...some of those devices seem to have iron in their

leads as some residual magnetism in the screwdriver would move or sometimes pick up the chip.....Would never have guessed that!!!

Only big mishap I had was the resistor chip over the side....was positioning on the board and kind of slipped or something and it just plopped off the board, onto the desk, then slid gently off the bench onto the rug....Couldn't really tell if it hit the rug directly or maybe bounced off the chair into the under bench quagmire, or stuck in my pants or socks or what.....The ensuing several minutes if captured on film or video sure would have brought back memories of Buster Crabbe or one of the Three Stooges at work....

Did make one B00B00 with one of the 8 pin widgets...Socked it right onto the pads and positioned it and proceeded to tack it down, then noticed with horror that it was backwards. Guess I was so intent on getting the terminals lined up that I forgot the major orientation problem....Shame on me.....

And then there were those glass diodes!!! Not only small, but ROUND!!!! Now that was a real circus trying to catch that thing rolling around on the board with the toothpick in one hand and the either the screwdriver or just a finger on the right hand....and, trying to get it on the top of the solder dome to boot.... :-) A stationary holddown sure would have made life much easier there...

So now, on to the completion...put that resistor in place and then argue with the toroid transformer.....By the way...did any others get two sizes of wire???? The green wire measured about .0175 and the red about .0140, both with their insulation on....Don't suppose it will make any real difference.....Just looks funny...

To actually do the assembly I took a sheet of paper and made a list of both of the bag contents and the part ID. So this was my work sheet and double check sheet. The entries looked like this:

Bag 1:

I6 .1 c3 c6 c7 c8 c10 c15 c17 c19 c21 c22 c23 c28

I1 82p c1 c5 c25

I2 100p c18

I3 270 c4 c20

and on down the line. Crossed off each part as I soldered it on. Seemed to work out well...We'll see when the test phase comes....

This is only the second attempt at SMD work...first was at the Ft

Tuthill hamfest at Flagstaff last year with the keyer kits...Only 3
SMD parts as I remember....Positioning is everything... :-)
Well, almost.....

Now, where is that case kit....:-)

Larry KA5T
Georgetown Texas

Date: Tue, 25 Apr 2000 21:20:45 EDT
From: N10DL@aol.com
To: qrp-1@lehigh.edu
Subject: [68685] RE: SMK alive in Fresno
Message-ID: <24.427b084.26379e6d@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I'm working...I'm working...Hope to ask for a SMK to SMK QSO this weekend.
Aron
N10DL

Date: Tue, 25 Apr 2000 20:18:13 -0400
From: w4bws@juno.com
To: dixie@townsqr.com
Cc: qrp-1@Lehigh.EDU
Subject: [68686] Re: QST QRP page
Message-ID: <20000425.212006.-151653.0.w4bws@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Yes and the first electronics kit was the model 01 oscilloscope
made with government surplus parts.
Don W4BWS

On Mon, 24 Apr 2000 12:42:13 -0700 Dick Carroll <dixie@townsqr.com>
writes:

> Gary Lee Phillips wrote:

> >

> I seem to remember that Heathkit started out by offering

> > a build-it-yourself AIRPLANE, not even electronics. Anyone
> remember
> > if that was true?)
>
>
> I don't go back that far, but the history I remember says
> that Heath's first kit was the Heath Parasol, a singleplace
> high-wing aircraft kit.
>
> 73, Dick W0EX

Don Sanders W4BWS
694 E. Eau Gallie Blvd
Satellite Beach ,FL 32937
My favorite QRP rig glows in the dark

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<http://dl.www.juno.com/get/tagj>.

Date: Wed, 26 Apr 2000 21:35:06 -0700
From: Vince Werber <ka1iic@ime.net>
To: grudin@vdbbs.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [68687] Re: OT: I need some help with SWL Questions
Message-ID: <3907C37A.3B93@ime.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jeff Grudin wrote:
> I have a friend that is looking for some Irish stations to listen to.

Hi;

The last time I knew there are no shortwave on the emerald Island...

Most SWL's try for Shannon Air Radio but weather reports wear thin quick...

But the good news is there have been 'pirate' radio stations from that part of the world... But they generally don't have skeds available...

Maybe CD's of Irish music... Tom Clancy... etc

oh well...

73
VInce
ka1iic
aat1ai
-.-.-

Date: Tue, 25 Apr 2000 21:30:53 EDT
From: AdamN7YA@aol.com
To: qrp-l@lehigh.edu
Subject: [68688] Re: Speaking of melted solder.....
Message-ID: <3a.445720b.2637a0cd@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 4/25/2000 1:20:17 PM Pacific Daylight Time,
FrConrad@aol.com writes:

<< My point is that worry and stress will kill you faster than (moderate
amounts
of) smoke and whisky. What the smell of melting solder does for the soul
offsets any adverse effects it might have on the lungs IMHO.

>>

Right on!! what flames?? this is what ive been saying for years....i dont
eat right, ive beat my body up in the past but my spirit is young, i have a
genuine fun time with everything i do! i have a lot of things to have fun
doing...if i go tomorrow at least i can say i enjoyed myself. relax....have
fun....it could kill you otherwise.

72/73/74...Adam, N7YA
Las Vegas, NV...Zone 03
QRP-L #1608, SOC #143, Y Guy #2
Code Warrior #76, Hamusician #1

Date: Tue, 25 Apr 2000 18:35:28 -0700
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateru Radio Discussion <qrp-l@lehigh.edu>
Subject: [68689] QRQ Net Practice Sentences for 4/30
Message-ID: <390647E0.39AE8218@qsl.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Friends, here are the practice sentences
for this week.

QRQ Net meets Sunday's, 7039 KHz at 7 PM PACIFIC
time, (Monday, 0200Z UTC).
Speeds: 25 to 40+ WPM and much higher.

- 1) Conventional and transmission line style
baluns are most common.
- 2) The magic tee is an often misunderstood
hybrid power splitter/combiner.
- 3) A compensation capacitor can greatly
enhance splitter performance.

Concept of net: Separate the mechanical
training for sending morse code from the
thought process used to create sentences.

We promote non-automatic sending with the
straight key, paddles, and semiautomatic
keys (Bugs).

Members are anyone who wants to enjoy the
CW practice.

Members practice the sentences throughout the
week, trying to increase character speed. Also,
regular QSO's will help practice incorporating
the brain along with the improved mechanical
abilities.

The night of the net is aimed to test your progress
and share the joy of the experience.

Net procedure: Call up for stations. List broadcast.
Minor introductions and NCS sends first groups. Stations
proceed in their list order and pass on to the next
list member. When returning to NCS, NCS announces
next sending speed. Stations drop out as they reach
their limits. NCS acknowledges and excuses stations
so members are aware of the change in the list.

Duration: I make all attempts to keep the net to

1.5 hours maximum. This may involve reducing the number of sentences at the slower speeds, making greater jumps in speed at each round robin. Expect 5 WPM jumps above 40 WPM.

Hope to have you join in on the fun.

72/Ed we6w

--

72/Ed we6w; A-1 OP; SOC#63; QRPL#1068
<http://www.qsl.net/we6w> Santa Rosa, CA
My 2 pennies worth is just common cents.

Date: Tue, 25 Apr 2000 21:37:28 -0400
From: David Newkirk <dpnewkirk@home.com>
To: qrp-1@Lehigh.EDU
Subject: [68690] Re: Speaking of melted solder.....
Message-ID: <39064858.9284F142@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dan W. Dooley wrote of the health effects of breathing solder fumes:

> What's the thought on the subject?

It should go without saying that breathing smoke of any kind generally isn't good for you; when you can smell something hot or burning, you're breathing it in some quantity. What's particularly nasty about solder fumes is the smoke from the flux: It's a potent, documented allergen that can ultimately cause chronic asthma. (Lead in the fumes isn't the problem; ingestion via the sequence of events that begins with *handling* solder and soldered items is the main way the lead from soldering gets into us.)

You can read more about this general issue in Bryan Bergeron, NU1N, "Making Soldering Safer," QST, March 1991, pages 28-30.

73,

Dave Newkirk, W9VES
dpnewkirk@home.com

Date: Tue, 25 Apr 2000 20:44:56 -0400
From: S LYON <sslyon@worldnet.att.net>

To: k5xu@concentric.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [68691] Re: Small Keyer Recommendation?
Message-ID: <39063C08.55281A33@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

IMHO, Embedded Research has captured the market -and maybe the future for small, competent keyers. Look up the web site and check out the TICK-3 AND TICK-4 keyers. With the surface mount version not much bigger than a full-size postage stamp, you can put in any rig, or on the bottom of a micro-paddle and have it all. USUAL DISCLAIMER.

73
=S=

Mike Duke wrote:

>
> Okay, whenever anyone asks about favorites on this list, the band width and
> learning curve both increase.
>
> So, Here goes!
>
> My 20+ year-old MFJ CEMOS-40 keyer, which I bought second hand from an
> estate in 1980, and which has bounced around several automobiles, is
> shedding most of its wiring! Of course, the diagram is long gone, and, the
> thought occurred to me that it may be time to find a new small, cheap keyer.
>
> I am also pondering whether or not to add a built-in keyer to my OHR-100.
>
> Guidance, please.
>
> Mike Duke, K5XU

--

'Seab' Lyon - AA1MY
Beacon NY USA FN-31
QRP-L 574 ARCI 9253

Date: Tue, 25 Apr 2000 21:53:09 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <dpnewkirk@home.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [68692] Re: Speaking of melted solder.....

Message-ID: <003701bfaf22\$72e4a840\$5b9bfea9@dads-hp>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

If we're going to talk about solder... I try to (my success rate isn't really that high) always blow a small computer fan over my workbench. But I don't blow it 'at' my project, I have it 'suck' across the bench. If you blow, it's amazing how that air can disrupt proper heating and soldering. But sucking creates just enough of a cross flow to keep the smoke out of my face.

Now, I suppose the question would be, are the effects of exposure related to concentration? I mean, the stuff I pull away from my work area is still in the room, just fairly dispersed instead of a strong concentration right at me.

Mike

>Dan W. Dooley wrote of the health effects of breathing solder fumes:
>
>> What's the thought on the subject?
>
>It should go without saying that breathing smoke of any kind generally
>isn't good for you; when you can smell something hot or burning, you're
>breathing it in some quantity. What's particularly nasty about solder
>fumes is the smoke from the flux: It's a potent, documented allergen
>that can ultimately cause chronic asthma. (Lead in the fumes isn't the
>problem; ingestion via the sequence of events that begins with
>*handling* solder and soldered items is the main way the lead from
>soldering gets into us.)
>
>You can read more about this general issue in Bryan Bergeron, NU1N,
>"Making Soldering Safer," QST, March 1991, pages 28-30.
>
>73,
>
>Dave Newkirk, W9VES
>dpnewkirk@home.com
>

Date: Tue, 25 Apr 2000 20:59:20 -0500
From: Darrel Swenson <darrel_kb0awb@tcon1.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [68693] SMK-1:# 40 is aliave and well!
Message-ID: <39064D76.DD92DDB2@tcon1.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gang...

Number 40 arrived in the mail yesterday. I assembled it last night.
Gave it the smoke test tonight - it passed!
I'm getting 7.038.4 to 7.039.6 on TX and 7.036.1 to 7.039.6 on RX. The
transmitter is putting out .275w (measured on IFR1200.) TX looks clean
on the spectrum analyzer (must be that crystal thing.)
The RX hears a lot of signals, almost too many! With the attenuator
wide open it gets a little BCI. I have never been around an MRX-40
receiver, so am not sure what to expect. There aren't many components
in there! Can anyone tell me what to expect?

Thanks... Darrel... KB0AWB

Date: Tue, 25 Apr 2000 22:05:14 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: myetsko@insydesw.com
Cc: qrp-1@lehigh.edu
Subject: [68694] Re: Speaking of melted solder.....
Message-ID: <39064EDA.5450@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Mike,

I agree with Dave, solder fumes are dangerous to your health! As I told
another person on here, I remember a time when we had to let our
assembly operators wear masks until we could upgrade the ventilation in
the area. The effects are cumulative as far as I remember.

73

Date: Tue, 25 Apr 2000 21:30:18 -0500
From: Allen Blacker <ablacker@mediaone.net>
To: qrp-1@lehigh.edu

Subject: [68695] SMK-1 Comments and Hints
Message-ID: <390654BA.61193FDD@mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have been on an emotional roller coaster since I received my SMK-1 kit. I haven't been so excited since I received my last Heathkit in the mail (a long time ago). Opening the Priority Mail box I see that it's a great kit. I read the instructions twice and I now know that this is a really great kit. I'm worried a tiny bit by the statement in the manual that says that I will lose some parts.

I'm 57 years old and wear eyeglasses. I'm ready, however, with bright lights and a head mounted magnifying system. No problem. Let's do it. Next night I do it. I stare at the itsy bitsy parts and suddenly I think, I can't do this -- these parts are too tiny. Quit now, I say to myself. No, I go ahead and open the pocket containing the first 13 capacitors. With tweezers, and magnifier, and bright lights, I clumsily solder in the first cap. But, hey, I actually soldered it in. Not artwork, but looks OK. As I get to the 13th capacitor the solder joints are starting to look like "real SM solder joints". I'm feeling really good. The 14th and 15th capacitors go down pretty well. But then, opening the micro-mini package containing the 16th capacitor, somehow the cap goes flying through the air. I think I hear it hit the wall. My heart drops through the floor. I search and search and search. No little pinkish/purplish 82 picofarad SM capacitor can be found - nowhere. It has vanished. I don't have another one. I don't feel well. This can't happen to me -- it's supposed to happen to the other guy, not me.

Well, I stopped for the night. What have I learned that might help someone else? Don't work on your SMK-1 within 50 feet of a shag carpet. Anything little that goes into the shag carpet dissolves immediately and is gone forever (or at least for seven years). Don't work on your SMK-1 using lighting that is on the same circuit as your wife doing ironing. Why, after two weeks of not ironing, my wife chose to iron at the very same time as I started work on my SMK-1, is one of several mysterious actions that continue to mystify me, even after after 36 years of marriage. The iron my wife uses is equivalent in power consumption to the electric chair that resides in Joliet, Illinois.

One last thing before I have a big drink tonight. Mind you this is meant to be constructive musing. How much more would the kit have cost if it contained a third packet of one each of spare, emergency use only, itsy bitsy only parts? All I'm asking for is one second chance! I know, I know, I can order the missing parts. But, this is the age of instant gratification. I'd rather not have to wait for the package

containing the replacement parts. I know, in the end it will all come together. I'll only remember the good times and not the bad. I'll be very happy and proud of my SMK-1. But at the moment I feel "incomplete"! :)

--

Al Blacker, W9ALB

Date: Tue, 25 Apr 2000 21:49:41 -0500
From: "Bill Allen" <bill@pcatexas.com>
To: <qrp-1@Lehigh.EDU>, "EleCraft" <elecraft@qth.net>
Subject: [68696] First QSO on K2 #1068
Message-ID: <002d01bfaf2a\$13690480\$32bac1d0@ourtown.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang,

While waiting on a mic that I ordered, I found a little time to have my first CW QSO on my K2 tonight. Was with Tom, K5HPF, in Corpus Christi, TX at 4 watts on 7112.00 kHz. Got 599 rst. Tom was a real champ being able to copy my bad fist! hi hi ! The K2 out performed its owner! :-))

73
kc5adf
Bill Allen
fists#7332

Date: Tue, 25 Apr 2000 22:54:08 -0400
From: "Nick Yokanovich" <k3ny@toad.net>
To: <sslyon@worldnet.att.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [68697] Re: Small Keyer Recommendation?
Message-ID: <003f01bfaf2a\$b36b3ca0\$c1bd21a2@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Embedded Research has a good product and you can also check out K1EL's line of PICs at <http://members.aol.com/k1el/index.html> . Steve will program your chip with your callsign and other custom settings.

Usual disclaimers. Just a satisfied customer.

Nick, K3NY

Arnold, MD

"I am not a doctor and my name isn't Arnold."

Date: Tue, 25 Apr 2000 22:13:59 -0400
From: hamjoel@juno.com
To: elecraft@qth.net, qrp-l@lehigh.edu
Subject: [68698] Cajun Meaux Jo, W/R ANT
Message-ID: <20000425.233355.-241453.0.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

high all bodies:

Put the crawfish in the Meaux Jo tonite... I turned my wire antenna towards Europe and worked RK6AW ... I got a 5 by s6 running 5 watts ssb... (took about 4 hours to turn the ant today)

I don't kneaux what to call my antenna so I say two 3 element wire yagis side by side...

I have 6 elements on twenty and three on forty... with 14ft spacing on twenty and 23 ft spacing on forty... takes all the room I have and uses 4 trees and cost less than one hundred dollars.... I think...

Less than fifty bucks just using the rope and not the closet (wood dowel rods) to hold the antenna...

However I do kneaux how to say K2, by Elecraft...

If u can't afford a nice store bought beam to geaux with ur K2, I would encourage u to try some

wire beams. They sure bring out the best in the K2... I even took off the cover of the K2 today and once

again looked at the excellent soldering and work Ed did building the K2 for me...

good dx

kella joel

in maine

in the rain

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<http://dl.www.juno.com/get/tagj>.

Date: Tue, 25 Apr 2000 22:53:50 -0500

From: W9SUL <pugrad@millcomm.com>

To: qrp-1@lehigh.edu

Subject: [68699] Bulgaria 2 X QRP

Message-ID: <1.5.4.32.20000426035350.00738740@pop3.rconnect.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Hi,

Just had a SUPER 10 minute 2 X QRP QSO with Rumi in Gabrovo, Bulgaria...

0324 - 0334 UTC on 26 April... 14.060 mhz

He's running his K2 to a yagi on top a 7 story building.

Nice way to end the evening!!!!

72 / 73 Dave Cary - W9SUL/QRP Rochester, Minnesota
Home of the Mayo Clinic

mailto:w9sul@arrl.net or mailto:pugrad@millcomm.com

<http://homepage2.rconnect.com/pugrad/>

Date: Tue, 25 Apr 2000 22:59:13 -0500

From: "Dan W. Dooley" <dandooley@pipeline.com>

To: "Low Power Amateur Radio Discussion" <grp-1@Lehigh.EDU>

Subject: [68700] Re: First QSO on K2 #1068

Message-ID: <006101bfaf33\$cf6726e0\$05987b7b@CSS0048.bergenbrunswick.com>

MIME-Version: 1.0

Content-Type: text/plain;

```
charset="iso-8859-1"
```

Content-Transfer-Encoding: 7bit

Speaking of 7112, where are all the Novice/Techs who used to be on 40?

I often will tune my DSW-40 up to that portion of the band in the evenings

just see who I can work there. Hey, a little reciprocal CW practice... I'm lucky to hear one or two signals at most.

True, there are the BC heterodynes, but I remember working lots of stuff between 7125-35 many years ago as a Novice with my old DX-40.

Lots of CW activity down band, so it ain't the receiver.

Dan W. Dooley WB5TKA Bedford, Texas EM12ku

e-mail to: dandoooley@pipeline.com

May Goddes love blest ye alle

SOC#198

"Ancient Pistol, I do partly understand your meaning."

-----Original Message-----

From: Bill Allen <bill@pcatexas.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Date: Tuesday, April 25, 2000 9:50 PM

Subject: First QSO on K2 #1068

>Hi Gang,

>

>While waiting on a mic that I ordered, I found a little time to have my
>first CW QSO on my K2 tonight. Was with Tom, K5HPF, in Corpus Christi, TX
>at 4 watts on 7112.00 kHz. Got 599 rst. Tom was a real champ being able
to

>copy my bad fist! hi hi ! The K2 out performed its owner! :-))

>

>73

>kc5adf

>Bill Allen

>fists#7332

>

>

>

Date: Tue, 25 Apr 2000 21:25:34 -0700

From: "Mont Pierce, KM6WT" <mont@inreach.com>

To: <kd7s@psnw.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [68701] Re: SMK-1 trials and tribulations...

Message-ID: <009301bfaf37\$77ac35e0\$9612d1d1@sol>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

One solution to this problem is to have some spares.

It may raise the price of a kit a bit. But it will sure prevent a lot of frustration.

At businesses when people build something manually with surface mount parts, they usually have reels of each part. If one gets dropped, just forget it, pull another from the reel and keep going.

Personally I'd sure be willing to pay an extra 5 to 10 bucks to get a kit with spare parts included.

73,
Mont

----- Original Message -----

From: Bill Jones <kd7s@psnw.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Tuesday, April 25, 2000 8:19 AM
Subject: Re: SMK-1 trials and tribulations...

> One of the major problems members of the SMK-1 kitting crew faced was
> components that got away from the tweezers. I spent five minutes
> crawling around the tile floor looking for a couple capacitors. I found
> a dead beetle, some dried mud, a couple dust bunnies, a spider and a
> tiny rock, but the capacitors turned to vapor. BE CAREFUL when handling
> these parts. And when all else fails, follow Bob Parks advice below.
>
> Bob Parks wrote:
>
> > Put an old nylon stocking (or panty hose leg) over the end of the tube of a
> > canister-type vacuum cleaner and go over the likely spots where the items
> > have disappeared. The nylon stocking makes a great filter allowing the
> > vacuum air to pass through. After turning off the vacuum, search through
> > the debris caught by the nylon filter and, USUALLY, your lost part will be
> > found.
>
> --
>
> -----
> Bill Jones - KD7S <><
> Sanger, California
> <http://www.psnw.com/~kd7s>

> -----
>

Date: Wed, 26 Apr 2000 00:32:25 EDT
From: GElam30092@aol.com
To: qrp-1@lehigh.edu
Subject: [68702] Re: First QSO on K2 #1068
Message-ID: <99.3f2fbdd.2637cb59@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 4/25/2000 9:08:29 PM US Mountain Standard Time,
dandooley@pipeline.com writes:

<< Speaking of 7112, where are all the Novice/Techs who used to be on 40? >>

I was on/about 7.102 tonight with an 11-year old. He just got his license
and I suspect I was one of his first QSO. He did fairly well for an 11-year
old.

I called CQ on 7.111 for a while.... no takers either. But I have noticed
more signals in the 7.125 range buried in the off-shore stations.

Cheers,
Gerry Elam, K7LR0
PHX AZ

Date: Wed, 26 Apr 2000 00:52:25 EDT
From: JClinton46@aol.com
To: qrp-1@lehigh.edu (Low Power Amateur Radio Discussion)
Subject: [68703] OT - Computer help
Message-ID: <f.306f26e.2637d009@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I know this is not QRP or even ham related (pls note the subj line). Feel
free to hit the DELETE key or flame me privately if necessary.

I am posting this here because this is the best group of technically
knowledgeable folks on the web.

I am using MS Office97 & Windows 98 on 300Mhz AMD K-6. I have been using the same setup for over a year. Today the MS Word suddenly went invisible. When the program is started (the usual way or by double clicking a file) it starts to load normally with the small intro screen appearing then it disappears. The program is on the task bar. Even the "office assistant" shows up but the word window, document, etc. DOES NOT SHOW. Hitting CTRL-ALT-DEL brings up the program list and it appears normal there. Still no word on the screen. The other MS programs show up normally.

I have rebooted (a bunch), reloaded Word, deleted and reloaded Word, deleted MS Office then defragged and reloaded Office, and reloaded Win98. No change.

I have searched the web to no avail. Have to pay for any MS help (that's probably next). Any help is greatly appreciated, on or off line. I will gladly post or e-mail directly whatever works.

Thanks in advance

Clint Poss
KE4FDT

Date: Wed, 26 Apr 2000 05:48:53 -0400
From: "Michael Bower - N4NMR" <bowerm@ix.netcom.com>
To: <JClinton46@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [68704] Re: OT - Computer help
Message-ID: <042b01bfaf64\$a2b00be0\$0100a8c0@dadsmachine>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Clint, my immediate reaction when I saw your post was that you had a Word macro virus on your system. I still would suspect it and I would IMMEDIATELY run a virus checker. If you don't have one, get one asap.

Barring that, you might try finding and renaming the NORMAL.DAT file which is a word macro file. By renaming it, you force Word to rebuild the NORMAL.DAT file for you and that will possibly clean things up. BUT if that is what the problem is. opening a document from a previous session may bring back the problem as when a document is saved, the current contents of normal.dat are placed with the file so if you have defined any macros in the particular file, it will have the macros when you open the file again.

Good luck.

Michael

----- Original Message -----

From: <JClinton46@aol.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Sent: Wednesday, April 26, 2000 12:52 AM

Subject: OT - Computer help

> I know this is not QRP or even ham related (pls note the subj line). Feel
> free to hit the DELETE key or flame me privately if necessary.
>
> I am posting this here because this is the best group of technically
> knowledgeable folks on the web.
>
> I am using MS Office97 & Windows 98 on 300Mhz AMD K-6. I have been using
the
> same setup for over a year. Today the MS Word suddenly went invisible.
When
> the program is started (the usual way or by double clicking a file) it
starts
> to load normally with the small intro screen appearing then it disappears.
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the
> word window, document, etc. DOES NOT SHOW. Hitting CTRL-ALT-DEL brings up
the
> program list and it appears normal there. Still no word on the screen. The
> other MS programs show up normally.
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> MS Office then defragged and reloaded Office, and reloaded Win98. No
change.
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> I have searched the web to no avail. Have to pay for any MS help (that's
> probably next). Any help is greatly appreciated, on or off line. I will
> gladly post or e-mail directly whatever works.
>
> Thanks in advance
>
> Clint Poss
> KE4FDT

Date: Wed, 26 Apr 2000 06:46:59 -0500

From: Karl Kanalz <KKanalz@excel.com>

To: "'wyn@worldnet.att.net'" <wyn@worldnet.att.net>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [68705] RE: ARRL Website Hacked
Message-ID: <2D343922E283D211945C0008C7A41B2A02B20A7D@adntex01.adsn.dal.excel.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

I believe it's "QRP-related" because a LOT of QRP'ers are members of the ARRL or at least, read QST.

Karl K - W8TIF
McKinney, Texas

-----Original Message-----

From: Clay N4AOX [mailto:wyn@worldnet.att.net]
Sent: Tuesday, April 25, 2000 5:29 PM
To: Low Power Amateur Radio Discussion
Subject: Re: ARRL Website Hacked

Brian P. Mileschosky wrote:

>
> Hi All,
>
> For those wondering what's happened to the ARRL website, I just looked
> at it.
> It's there alright, but it's not the work of the ARRL...it's been hacked.
>
> Sure is too bad people choose to do that...
>
> 72,
> Brian, N5ZGT

Not sure how this is QRP related. Was the hacker a minimalist radio operator? ;-)

72/73,
Clay N4AOX

Date: Wed, 26 Apr 2000 06:58:48 -0500
From: Richard Matthews <prm@hiwaay.net>
To: ki6ds@hotmail.com, qrp-l@lehigh.edu
Subject: [68706] Re: SMK-1: Suggested reading and feedback
Message-ID: <3.0.1.32.20000426065848.0091f3a0@hiwaay.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 02:46 PM 4/25/00 PDT, you wrote:

>Boy that Jim Cates is something else. He mailed 150 kits Saturday!! What
>an effort. More are on the way to the mailbox today.
> 72, doug

.....

Well, one of those 150 kits reached Alabama in good shape and the first 13
components found their final resting place on the board last night.
(Dropped some ... lost none)

Two confirmations, you do need a set of tweezers and you do need a
magnifying glass.

Norcal did a great job with the packaging and instructions, how much
simpler could it be made?

As slow as I am, I'm sure the enclosure kit from NJQRP will be here in time
for final assembly.

Thanks to all who brought this kit to life.

Richard WA4NWW On the banks of the Tennessee River in Northern Alabama

Date: Wed, 26 Apr 2000 01:36:19 +0100
From: "Walt Amos" <k8cv@worldspy.net>
To: "Qrp-l Posts" <qrp-l@lehigh.edu>
Subject: [68707] SMK-1 parts
Message-ID: <000201bfaf74\$7a3abc40\$e54e6620@waltk8cv>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I am going to use the top of a cardboard storage box about 2' X 3' and build
in that, the rim is a little over an inch high. Things may even get lost in
that environment and then the old vacuum trick will come out!

Thanks Bob the vacuum is a good idea.

Walt k8cv

Date: Wed, 26 Apr 2000 08:40:26 -0400
From: Nils R Young <nilsbull@juno.com>
To: QRP-L@lehigh.edu
Subject: [68708] Mendelson's Lets the Smoke Out!
Message-ID: <20000426.084032.-501751.0.nilsbull@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Gang,

Yesterday's Dayton Daily News had a front page article in the local world section with pictures of smoke & fire comin' out of the world-famous Mendelson's Surplus building.

Wanna bet there'll be a "fire sale" at Dayton?

"And right now for the next twenty minutes we're almost giving them away for nawthin here folks, right now for the next twenty minutes! Boards with the smoke put back in 'em! Yes! Right now & for the next twenty minutes! Stop by and get your almost handin' 'em out for freeeeee! Boards with the smoke put back on 'em! Yes! For the next . . . "

"Do you have a non-smoking section?"

73

Nils

Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes
Sonrientes
<http://www6.50megs.com/w8ijn> -- W8IJN -- <http://members.xoom.com/nilsbull>
In my day you had to FIGHT to have digits! Every DAY was a STRUGGLE!
--- Comrade Nikolai Sergeevich McTovarishov

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Juno now offers FREE Internet Access!
Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Wed, 26 Apr 2000 05:55:05 -0700 (PDT)
From: Jim Hale <kj5tf@yahoo.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [68709] QRPTTF/MM in Arkansas
Message-ID: <20000426125505.29788.qmail@web702.mail.yahoo.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

If the WX holds up look for me saturday. I hope to be on the family boat for the day. I'm watching the forcast, and Ive got a good chance if showers hold off till evening, and winds stay down.

I'll be on a 19ft boat, useing hamsticks on 20, 15, 10M. K2 #702 on solar/btry.

BTW, Ive been 100% solar power since 1980, and dont use any controler on small batteries. I know this is against standard procedure, but it works, and my batteries last a looong time. In fact all my small batteries were bought surplus.

A small solar panel isnt gunna hurt a small battery IF you check it every day, and if you use it often.

Dont connect it and not check it for a week! hi hi

Maybe by the next century they will run electric power up this side of the mountain. hi

If the WX is bad or windy, I'll setup next to our farm pond. And maybe get into the canoe or something!

That'll be milliwatt marine mobile /MMM ;-)

72/3's de Jim KJ5TF

"All milliwatts, All the time"

=====

<http://www.madisoncounty.net/~kj5tf/>

Milliwatting Editor ARCI QRP Quarterly

Join/renew membership QRP Amateur Radio Club International

<http://www.qrparci.org/arcijoin.html>

AR QRP#2 - Kingston, Arkansas 35.94N 93.47W

Private email kj5tf@madisoncounty.net

Do You Yahoo!?

Send online invitations with Yahoo! Invites.

<http://invites.yahoo.com>

Date: Wed, 26 Apr 2000 05:58:22 -0700 (PDT)
From: Jim Hale <kj5tf@yahoo.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [68710] Today 4/26 marine mobile
Message-ID: <20000426125822.694.qmail@web702.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Getting ready this wednesday AM for a boat trip. I'll
try to spend an hour on the K2 on 20M most likely.

Call it a shake down cruise.

Hope to catch some of you today, and again saturday.

Jim KJ5TF

=====

<http://www.madisoncounty.net/~kj5tf/>
Milliwatting Editor ARCI QRP Quarterly
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AR QRP#2 - Kingston, Arkansas 35.94N 93.47W
Private email kj5tf@madisoncounty.net

Do You Yahoo!?
Send online invitations with Yahoo! Invites.
<http://invites.yahoo.com>

Date: Wed, 26 Apr 2000 09:08:34 -0400
From: "John Nall" <nally@talstar.com>
To: <qrp-l@lehigh.edu>
Subject: [68711] Re: SMK-1 parts
Message-ID: <006401bfaf80\$885045a0\$cbbafea9@r6g4f3>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> I am going to use the top of a cardboard storage box about 2' X 3' and
build
> in that, the rim is a little over an inch high. Things may even get lost
in

> that environment and then the old vacuum trick will come out!
>
> Thanks Bob the vacuum is a good idea.
>
> Walt k8cv

I've found that a styerfoam (sp?) egg carton is awfully handy for building kits. The little egg-containers hold small parts such as transistors, pots, screws, etc., while resistors and diodes can be easily stuck into the foam.

John

Date: Wed, 26 Apr 2000 09:22:40 -0500
From: "Randy Randall" <RANDALLR@Healthall.com>
To: <qrp-1@Lehigh.EDU>
Subject: [68712] Re: Mendelson's Lets the Smoke Out!
Message-ID: <s906b57d.037@healthall.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable
Content-Disposition: inline

I have been to Mendelsons many times over the years and often wondered why = the place hadn't burned years ago! You have to love that old open = freight elevator that takes to the 3rd floor.=20

Randy.

>>> Nils R Young <nilsbull@juno.com> 04/26 7:40 AM >>>
Gang,

Yesterday's Dayton Daily News had a front page article in the local world section with pictures of smoke & fire comin' out of the world-famous Mendelson's Surplus building.

Wanna bet there'll be a "fire sale" at Dayton?

"And right now for the next twenty minutes we're almost giving them away for nawthin here folks, right now for the next twenty minutes! Boards with the smoke put back in 'em! Yes! Right now & for the next twenty minutes! Stop by and get your almost handin' 'em out for freeeeee! Boards with the smoke put back on 'em! Yes! For the next . . . "

"Do you have a non-smoking section?"

73

Nils

Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes
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Date: Wed, 26 Apr 2000 09:23:18 EDT
From: JClinton46@aol.com
To: qrp-1@lehigh.edu (Low Power Amateur Radio Discussion)
Subject: [68713] Re: OT - Computer help
Message-ID: <bc.446c8d0.263847c6@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Thanks to all who responded. Paul Valko, W8KC and Bob Scott, W4FPJ were first
to suggest right mouse clicking on the taskbar to bring up the
restore/maximize/minimize/close menu.

I have used minimize thousands of times via the radio buttons in the upper
right corner of the screen. Clicking the program button on the taskbar always
brought it back to life so I didn't even think of right clicking on the
mouse. I am amazed that the setting survived through numerous reboots and
several program and windows reloads.

Thanks again. What a great group!!

73
Clint
KE4FDT

Date: Wed, 26 Apr 2000 13:26:38 -0000
From: "Mark Hogan" <mhogan@email.msn.com>
To: <ablacker@mediaone.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [68714] Re: Boing
Message-ID: <00a501bfaf83\$0e195120\$9ee90181@cityweb.gov>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> the cap goes flying through the air.

OK I received my SMK yesterday...
But I've got to say something about these little parts going BOING.
Remember the NC Paddle kit? If not look at the picture on the web site.
See the square block that the dit/dah contact screws go in. Picture one
going off my buffing wheel in the garage...got the picture? we're talking at
least 7000rpm here, I hear it go off the ceiling, the pickup truck, some
other non discernable objects, (I was on the floor hiding from the MISSILE).
Ok its BRIGHT, this wont be too hard, I move the truck, sweep the
garage...nothing, how hard can this be, I pout, drink a few beers (since
quit that, that's another story...) and give up three hours later.
Two weeks pass, I've cleaned the garage three more times, the neighbors
think I'm moving or contemplating suicide cause it looks like I'm getting
rid of prized possessions, I'm out there looking for a welding glove, its
more then likely in a neighbors garage, those darn pesky trash pickers,
there it is in the middle of the floor sitting there looking at me, a one
eyed brass snail...
Oh well you get the idea, this one came out ok, (I still had the rest of the
paddle) and I use it proudly today.
Keep looking it will turn up.

On my knees more then I care to tell.
Mark Hogan N50BC
SST-40 / 38s Speed-X Bug
NC-20 / FT847 NorCal Keyer
Zombie 660, SOC 185, G-QRP 4972, all that junk...

Date: Wed, 26 Apr 2000 09:34:57 EDT
From: JClinton46@aol.com
To: qrp-1@lehigh.edu (Low Power Amateur Radio Discussion)
Subject: [68715] Re: OT - Computer help

Message-ID: <c0.2f0ac53.26384a81@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

FWIW I have tried to duplicate my computer hangup without success. A click on the taskbar always restores the program no matter how I minimize it. Go figure!!

73
Clint
KE4FDT

Date: Wed, 26 Apr 2000 09:58:58 -0500
From: "Randy Randall" <RANDALLR@Healthall.com>
To: <RANDALLR@Healthall.com>, <qrp-1@Lehigh.EDU>
Subject: [68716] Re: OT- Mendelson's Lets the Smoke Out!
Message-ID: <s906bdfe.023@healthall.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable
Content-Disposition: inline

It was arson folks! Here are the details:

>From Dayton Daily News 4/26:

Mendelson's fire ruled arson=20

DAYTON--The fire that hit Mendelson's Liquidation Outlet on Monday was =
intentionally set, the Dayton Fire Department said Tuesday.=20
Dayton arson investigator Scott Bennett said the fire was started at 4:40 =
p.m., on a shelf in the southwest corner of the fourth floor of the =
building at 340 E. First St. Firefighters snuffed out the blaze after =
employees attempted to put out the fire with extinguishers. More than one =
person is involved, Bennett said.=20
No one was hurt, but the fire caused an estimated \$110,000 in damage to =
the building and inventory. The store also was closed Tuesday, but will be =
open today. There is a \$1,000 reward. =20

>>> "Randy Randall" <RANDALLR@healthall.com> 04/26 9:22 AM >>>
I have been to Mendelsons many times over the years and often wondered why =
the place hadn't burned years ago! You have to love that old open =
freight elevator that takes to the 3rd floor.=20

Randy.

>>> Nils R Young <nilsbull@juno.com> 04/26 7:40 AM >>>
Gang,

Yesterday's Dayton Daily News had a front page article in the local world section with pictures of smoke & fire comin' out of the world-famous Mendelson's Surplus building.

Wanna bet there'll be a "fire sale" at Dayton?

"And right now for the next twenty minutes we're almost giving them away for nawthin here folks, right now for the next twenty minutes! Boards with the smoke put back in 'em! Yes! Right now & for the next twenty minutes! Stop by and get your almost handin' 'em out for freeeee! Boards with the smoke put back on 'em! Yes! For the next . . . "

"Do you have a non-smoking section?"

73

Nils

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<http://www6.50megs.com/w8ijn> -- W8IJN -- <http://members.xoom.com/nilsbull>=
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In my day you had to FIGHT to have digits! Every DAY was a STRUGGLE!
--- Comrade Nikolai Sergeevich McTovarishov

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<http://dl.www.juno.com/get/tagj>.

Date: Wed, 26 Apr 2000 10:04:11 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <JClinton46@aol.com>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [68717] Re: OT - Computer help
Message-ID: <042501bfaf88\$53f76b00\$2101a8c0@insydesw.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

> FWIW I have tried to duplicate my computer hangup without success. A
click on
> the taskbar always restores the program no matter how I minimize it.
Go
> figure!!
>
> 73
> Clint
> KE4FDT

I've seen this happen, and can't duplicate it when I want to. But it
appears WIN98 keeps flags for status. And these flags can get
'out of sync'. This can happen when 'right clicking' a lot to work
on an item instead of left clicking to select it.

I suspect this is analogous to using the shift key and getting a
window out of sync thinking the shift is depressed in one window
and it's not in the other.

But in most cases it's easily recoverable.

Mostly.

Mike

Date: Wed, 26 Apr 2000 09:02:36 -0500
From: Richard Matthews <prm@hiwaay.net>
To: mhogan@email.msn.com, qrp-1@lehigh.edu
Subject: [68718] Re: Boing
Message-ID: <3.0.1.32.20000426090236.00962cd0@hiwaay.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 01:26 PM 4/26/00 -0000, you wrote:
>> the cap goes flying through the air.
>
>OK I received my SMK yesterday...
>But I've got to say something about these little parts going BOING.
>Remember the NC Paddle kit? If not look at the picture on the web site.
>See the square block that the dit/dah contact screws go in. Picture one
>going off my buffing wheel in the garage...got the picture?
>On my knees more then I care to tell.

>Mark Hogan N50BC

.....

It time for, "top the last guys story" time, here's mine.

Years ago at Christmas I received a nice new wrist watch with a Spidel twist-o-flex band. As was our yearly tradition, after present opening we had fireworks tossing out in the yard. Wearing my new watch, we went to the back yard to touch off a few pyrotechnics. On my first hefty cherry bomb toss I felt my new watch leave my arm right behind the explosive. So I went for the flashlight, knowing the large shiny watch would be easy to find in the short winter grass of the back yard wrong, the watch was not to be found. Well, logic says, "when it gets daylight, it'll be easy to find" . . . wrong again. First light next morning, an all-fours search of the backyard turned up nothing. Then the wild thoughts start, " some animal (possum, coon, dog, cat, etc) found the watch last night and made off with it".

Every afternoon after work, I'd scour the back yard just knowing I had just overlooked the now lost watch nothing. Days turned into weeks and weeks into months. It became Spring and the grass started growing, time to mow the backyard, I still had not forgotten about the lost timepiece. We had a small backyard and mowing went quickly, but on the last pass across the yard the mower front wheel suddenly dropped, I thought a wheel had come off. After checking, I found that the wheel had dropped into an old grown over post hole and yep, you guessed it, at the bottom of that hole lay my Christmas watch still ticking (a timex of course) and not in bad shape for having spent the Winter in the yard.

Can anyone top that one? How does this apply to QRP ham radio? I was a ham at the time and planned to one day operate QRP.

Richard WA4NWW If I'm lying I'm dying

Date: Wed, 26 Apr 2000 09:27:00 -0500
From: Dave Sjolín <sjolin@swbell.net>
To: JClinton46@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [68719] Re: OT - Computer help
Message-ID: <3906FCB4.A4CA36ED@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

JClinton46@aol.com wrote:

>

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> same setup for over a year. Today the MS Word suddenly went invisible. When
> the program is started (the usual way or by double clicking a file) it starts
> to load normally with the small intro screen appearing then it disappears.
> The program is on the task bar. Even the "office assistant" shows up but the
> word window, document, etc. DOES NOT SHOW. Hitting CTRL-ALT-DEL brings up the
> program list and it appears normal there. Still no word on the screen. The
> other MS programs show up normally.
>

If you have a recent backup of your hard drive you might restore a
"recent" copy of normal.dat from before you lost the screen.

73 de Dave, N0IT

Date: Wed, 26 Apr 2000 10:32:21 -0400
From: Stanley A Mcintosh <mcintos@basf-corp.com>
To: qrp-1@Lehigh.EDU
Subject: [68720] Solder Flux Fumes
Message-ID: <852568CD.004F39F5.00@basf-corp-gw01.basf-corp.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>>What's the thought on the subject? Are my lungs gonna be rosin / silver
>>color lined? What about the brain? Ah! perhaps that does explain a lot!

7-8 years ago, I had to contact someone about this issue for a work-related situation. That was a cool phone call, since the guy was one of Werner Von Braun's technicians. At the time, he had a consulting company that dealt with solder-related issues. I wish I'd gotten copies of the studies he cited, but he said the flux fumes aren't a problem, and contrary to some common "knowledge," the metal does not volatilize to any significant effect during soldering. However, solder is soft enough to rub off onto hands, fingers, surfaces, etc. So, over time, you can end up ingesting metals (*lead*) if you fail to wash your hands after playing; rubbed-off metal from your fingers transfers to the PB&J sandwich, which then goes to the gullet.

Just to submit, FWIW.

72
stan

Date: Wed, 26 Apr 2000 10:42:17 -0400
From: Paul Womble <pwomble1@tampabay.rr.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [68721] Re: OT - Computer help
Message-ID: <39070049.B58885FB@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dave Sjolin wrote:

> JClinton46@aol.com wrote:
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> > I am using MS Office97 & Windows 98 on 300Mhz AMD K-6. I have been using the
> > same setup for over a year. Today the MS Word suddenly went invisible. When
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> "recent" copy of normal.dat from before you lost the screen.
>
> 73 de Dave, N0IT

Does the problem happen when you try to open a saved document or just with a new one??

The default blank document template is normal.dot. Just delete that file...then re-start Word. Word creates a new one on startup if it is not found.

Have you done a virus scan with updated virus definitions? A Word macro virus can cause strange things to happen. No damage...just a pain in the @\$\$ to figure out.

73
Paul AJ4Y

--
Polk County Chapter American Red Cross:
<http://www.redcross.org/fl/polkcounty>

Date: Wed, 26 Apr 2000 09:41:28 -0500
From: "Bradfield, Brad V." <BBradfield@spectrapoint.com>
To: "'k5xu@concentric.net'" <k5xu@concentric.net>, "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>
Subject: [68722] Re: Small Keyer Recommendation
Message-ID: <8D9A3E0C6F42D1118EDC0060081D3FFA023D8A5F@ucusmail.spectrapoint.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Hello Mike - -

I would highly recommend two different keyers:

1) The CMOS Super Keyer III - This keyer sells for about \$60 (minus =
case,
switches, etc), and is excellent. It has six memories, and allows =
various
programming options like inserting embedded commands into a memory =
message.
Available from Marshall Emm at Milestone Technologies.

2) Any of the TiCK keyers - The TiCK's are not as powerful or =
programmable
as the CMOS III, but are excellent keyers. =20

Both of these keyers are small, and lend themselves nicely to =
installing
directly inside a rig.

72's es 73's,

Brad, W5CGH

=3D=
=3D=
=3D=3D=3D=3D

Brad Bradfield, PE
(ex WB=D8CGH)

W5CGH

Test Staff Engineer
SpectraPoint Wireless LLC

Real men talk with their fingers!

NORTEX NORCAL QRP-L #377
SMIRK #4906 QRP-ARCI # ARS #72
Austin QRP Club #i Alaska QRP Club #350

Date: Wed, 26 Apr 2000 08:46:29 -0700
From: Roger J Wendell <zeekzilch@juno.com>
To: cqclist@cqc.org, qrp-1@Lehigh.EDU
Subject: [68723] Back to Vacuum Tube Technology
Message-ID: <20000426.084710.-108305.2.zeekzilch@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Subject: Arise and resist!

(Thanks to Art WA50ES and Glenn AE0Q for passing this around);

<http://w3.gwis.com/~joelr/gearpix.htm>

WBOJNR
<http://www.rogerwendell.com>

-
--

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<http://dl.www.juno.com/get/tagj>.

Date: Wed, 26 Apr 2000 10:47:55 -0400
From: Bill Nicolson <n2wf@erols.com>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>

Subject: [68724] Poqet Plus forsale
Message-ID: <3907019B.8B73C47F@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi,
I have the following items Forsale

Poqet plus complete system:

1. Poqet Plus
2. AC adapter
3. Charger
4. Serial Adapter
5. (3) Batteries
6. Modem
7. 2mb SRAM Card

as a package only - \$70 shipped

Extra Poqet Plus (computer only) \$40 shipped

20 mb Sandisk with pcmcia adapter \$65 shipped

Date: Wed, 26 Apr 2000 10:55:35 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <mcintos@basf-corp.com>, "Low Power Amateur Radio Discussion" <qrp-
l@lehigh.edu>
Subject: [68725] Re: Solder Flux Fumes
Message-ID: <003601bfaf8f\$7e839540\$2101a8c0@insydesw.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For years I always wondered about things like doctors 'leaving a
bullet in' with some patients.

But then it was explained to me that the lead itself isn't dangerous,
or at least as dangerous as most people think, as a metal.

What is dangerous is lead as a soluble salt, in which case the
body can easily take it in.

When working with lead as a metal, you will undoubtedly get some
on your hands and body. If you ingest it, it can be bad in the sense
that a chunk of metal has a relatively small surface area and it

passes through the system fairly fast, but lead that is 'small particle' has a relatively large surface area for the same weight. Saliva and other acids I suppose do attack it.

Now you don't eat a bullets worth every time you solder, but you do expose yourself to a small amount, and this can build up with time if ingested repeatedly.

So, if working with lead, I suppose the best advice would be to WASH UP before you eat!! And just be aware that food that handle can get the dirt from your hands on it. I know, sounds so obvious....

This goes for shooters and reloaders too! Only there it's a REAL problem. With all new equipment, the only lead exposure is the metal (possibly) in the bullets. But with fired materials, like empty cartridges to be reloaded, there can be a LARGE ammount of a lead salt from the fired primer material.

Mike

> >>What's the thought on the subject? Are my lungs gonna be rosin / silver
> >>color lined? What about the brain? Ah! perhaps that does explain a lot!
>
> 7-8 years ago, I had to contact someone about this issue for a work-related
> situation. That was a cool phone call, since the guy was one of Werner Von
> Braun's technicians. At the time, he had a consulting company that dealt with
> solder-related issues. I wish I'd gotten copies of the studies he cited, but he
> said the flux fumes aren't a problem, and contrary to some common "knowledge,"
> the metal does not volatilize to any significant effect during soldering.
> However, solder is soft enough to rub off onto hands, fingers, surfaces, etc.
> So, over time, you can end up ingesting metals (*lead*) if you fail to wash your
> hands after playing; rubbed-off metal from your fingers transfers to the PB&J
> sandwich, which then goes to the gullet.
>
> Just to submit, FWIW.
>

> 72
> stan

Date: Wed, 26 Apr 2000 08:00:49 -0700
From: Dave Barrett <DBarrett@creo.com>
To: "'mcintos@basf-corp.com'" <mcintos@basf-corp.com>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [68726] RE: Solder Flux Fumes Disagree about Fumes.
Message-ID: <BFEEFC3386986D2119C0800A0C99B5DE601772BAA@msgcreo3.creo.bc.ca>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Well, after spending the last almost 50 years breathing solder fumes and having a totally screwed up nostralia, I can't agree with this approach that flux fumes don't damage nasal tissue.

I have a condition called something like Vasal Motor Rhinitis (I think) Anyway, most cases typically have an internally swollen runny nose.... mine is DRY and swollen almost shut most of the time. Many doctors and Specialists have checked me out and none have been able to fix the problem, they all give me the usual crap, Rhinocort, Atrovent, Beconaise etc etc.....all are intended to relieve this condition of wet runny nose....so all dry the nostralia even more which exacerbates my condition. The cause has apparently not been allergies or is not mechanical and I have been told it is likely the continued breathing of flux fumes have contributed to extreme sensitivity of the nasal tissue / passages.

I now opt for the close proximity of a muffin fan blowing directly across the work area.

Dave Barrett VA7DB (Ex VE7PCC)
Vancouver BC Canada

-----Original Message-----
From: Stanley A McIntosh [mailto:mcintos@basf-corp.com]
Sent: Wednesday, April 26, 2000 7:32 AM
To: Low Power Amateur Radio Discussion
Subject: Solder Flux Fumes

>>What's the thought on the subject? Are my lungs gonna be rosin / silver

>>color lined? What about the brain? Ah! perhaps that does explain a lot!

7-8 years ago, I had to contact someone about this issue for a work-related situation. That was a cool phone call, since the guy was one of Werner Von Braun's technicians. At the time, he had a consulting company that dealt with

solder-related issues. I wish I'd gotten copies of the studies he cited, but he

said the flux fumes aren't a problem, and contrary to some common "knowledge,"

the metal does not volatilize to any significant effect during soldering. However, solder is soft enough to rub off onto hands, fingers, surfaces, etc.

So, over time, you can end up ingesting metals (*lead*) if you fail to wash your

hands after playing; rubbed-off metal from your fingers transfers to the PB&J

sandwich, which then goes to the gullet.

Just to submit, FWIW.

72

stan

Date: Wed, 26 Apr 2000 11:05:50 EDT
From: REDSBOY@aol.com
To: qrp-l@lehigh.edu
Subject: [68727] K1EL K10 Keyer info needed.
Message-ID: <7e.40f658a.26385fce@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I need to build a keyer for my Emtech NW-40 (A fantastic little rig, by the way). I will build it "outboard" and power requirements are not a big concern since I don't plan to use it for backpacking. Cost and ease of use ARE considerations.

The K1EL K10 looks like a good compromise. Chip, board and partial parts for \$15 postpaid seems quite reasonable and it gives me pot control and memories.

I am hoping someone can give me recommendations/opinions based on their experiences. No matter how much I read, there is no substitute for the info from a builder/user.

Please e-mail me directly at redsboy@aol.com. And if you are looking for something to do, check out a great old station of the 1950's at <AHREF="http://members.aol.com/redsboy/index.html">KG6FAA - HAM RADIO IN PARADISE . You might even be able to help me by identifying some of the folks in the group picture.

73,

Karl - W4UTI
QRP-L #1097. SOC #23, Zombie #642, Whiner #8

Date: Wed, 26 Apr 2000 11:20:32 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: qrp-l@lehigh.edu
Subject: [68728] Solder Sniffing
Message-ID: <39070940.3972@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Guys,

All the solder manufacturers publish their Material Safety Data Sheets. I am sure most of them are on the web even though they probably don't have to be! A simple search under the manufacturer's name will bring them up. Also you will find dozens of publications on the use of solder. Why not look them up rather than sit around conjecturing about whether it is dangerous or not. Industrial companies have to meet very strict ventilation requirements. While these have changed, no doubt, with the widespread use of flow soldering, in the areas they are still the same.

73

Date: Wed, 26 Apr 2000 08:19:25 -0700
From: Allan G Taylor <agtaylor@llnl.gov>
To: qrp-l@lehigh.edu
Subject: [68729] OT: LZ2RS/QRP needs advice on big Log Periodics
Message-ID: <390708FD.64B2@llnl.gov>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Rumi, LZ2RS, has asked that I post a query to the assembled

gurus. He is considering making a large multiband log periodic, roughly equivalent to the Cushcraft ASL2010 or to the one given in Aug 1995 CQ magazine. He would like feedback and experiences on this type of HF antenna in practice.

It would be best if any replies go to him directly at

lz2rs@mbox.digsys.bg .

--

Allan Taylor K7GT agtaylor@llnl.gov

Date: Wed, 26 Apr 2000 11:29:26 EDT
From: WA6GER@aol.com
To: qrp-l@lehigh.edu
Subject: [68730] SMK-1 mailing. Postage refunds
Message-ID: <64.21dd916.26386556@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Yesterday at 9:00 AM, PDST, the last of this run of 400 kits were placed in the hands of the postal people. If you do not receive your kit in two weeks, then it is most likely my fault. Let me know.

However, I will not be able to rectify any mistake before then, because I am leaving Friday and will be gone until May 12, back from Southern Europe and Northern Africa just in time to get ready to go to Dayton. Catch me in between. (Oh, the life of a retiree is a tough one, but someone has to keep the global economy going.)

Because of the upcoming trip, I did hurry getting the kits mailed, but I would have made mistakes anyway, so that is not an excuse. (Darn, I really tried not to!) But it is the reason I did not record multiple orders where I was able to ship in one box, and payment for shipping for each kit was sent, e.g., \$8.00 for two kits, and I mailed them in one priority box.

Let me know and I will send the refund. No "proof" required. QRP honor system.

Reason some of you got the kits "before they were mailed," is because I told Doug I would mail them Wednesday, and should have said "BY Wednesday." Did 250 kits on Monday, when the rest of the manuals were received from the printer, and mailed them on Tuesday. Made the first run to the post office at 7:30 AM. (so much for logistics. Yawn.)

Enjoy!

jim, WA6GER

Date: Wed, 26 Apr 2000 10:47:26 -0500
From: Dan Copeland <kf0ov@alltel.net>
To: qrp-1@Lehigh.EDU
Subject: [68731] For Sale
Message-ID: <4.3.1.2.20000426103436.00b08ec0@mail.alltel.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Time to sell some stuff. All items are in excellent condition and include shipping CONUS.

2 - Bencher BY-1 paddles black base \$60 each

1 - Ham-Key paddle \$35

1 - LDG QRP auto tuner factory built \$110

1 - Wm NYE Chrome paddle \$45

1 - MFJ-493 Super Menu Keyer \$95

1 - Remote for 493 keyer \$15

1 - Heil Pro Micro headset \$75

Any questions just ask. See you in Dayton.

Dan
Dan Copeland N0DT
n0dt@alltel.net

Date: Wed, 26 Apr 2000 09:59:24 -0500 (CDT)
From: Joe Reed <joe@n9jr.dyndns.org>
To: JClinton46@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [68732] Re: OT - Computer help

Message-ID: <Pine.LNX.4.05.10004260956490.4651-1000000@n9jr.dyndns.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 26 Apr 2000 JClinton46@aol.com wrote:

> I am using MS Office97 & Windows 98 on 300Mhz AMD K-6. I have been using the
> same setup for over a year. Today the MS Word suddenly went invisible. When
> the program is started (the usual way or by double clicking a file) it starts
> to load normally with the small intro screen appearing then it disappears.
> The program is on the task bar. Even the "office assistant" shows up but the
> word window, document, etc. DOES NOT SHOW. Hitting CTRL-ALT-DEL brings up the
> program list and it appears normal there. Still no word on the screen. The
> other MS programs show up normally.

Have you tried to right click on the icon and select restore?

Date: Wed, 26 Apr 2000 09:05:59 -0700 (PDT)
From: ABCQRP <w6abc@yahoo.com>
To: qrp-1@Lehigh.EDU
Subject: [68733] Which DSW kit to buy?
Message-ID: <20000426160559.16398.qmail@web2103.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hi, I've decided to add one of the DSW "Small Wonder"
rigs to the QRP stable (I like the blue case). I
already have the K2 and a "Redhot" NC-20. I was
wondering which one of the DSW kits to build next.
Since I have a 20 meter rig with the NC-20 that leaves
80-40 and 30 meters as a choice in the DSW line. I
would use it mostly for take along when travelling.
Anyone have experience with this radio? Oh, and yes,
I am going to tackle the SMT kit too.
Thanks,
Jack W6ABC

Do You Yahoo!?
Send online invitations with Yahoo! Invites.
<http://invites.yahoo.com>

Date: Wed, 26 Apr 2000 12:08:04 -0400
From: Paul Womble <pwomble1@tampabay.rr.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [68734] For Sale: W6MMA 80-10 SLV Coil
Message-ID: <39071464.5E769912@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For sale:

W6MMA St. Louis 80m-10m coil
Like new condition.
Original documentation included.

The base assembly is not included...but can be reproduced very easily.
See:

<http://www.superantennas.com/w6mma.htm>

for more info.

\$40.00 shipped in the U.S.

73
Paul AJ4Y

--
Polk County Chapter American Red Cross:
<http://www.redcross.org/fl/polkcounty>

Date: Wed, 26 Apr 2000 12:20:17 EDT
From: Shephed@aol.com
To: qrp-1@lehigh.edu
Subject: [68735] Re: K1EL K10 Keyer info needed.
Message-ID: <c4.2f143b3.26387141@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Karl,
I have built two of these and really like them both. The first one I put into

an Altoids tin for portable operation, and the second into a project box about 2.5" X 3" for general shack duties.

The kit is nice, but I found the holes on the PCB to be a bit too small for my tastes (and shaky hands), so the second one I built ugly style with plain old perf board from Radio Shack. The chip only requires a few junk box parts, so that's the way I would go, and for that price you can buy two chips. :-)

On the second unit, I did away with the regulator circuit, and powered it with 4 AA cells. This cuts down on a few parts. So far the 4 cells have lasted for about two months now. The pot for speed selection is nice, but you can set it faster via an input command, this again saves a part or two.

This project is a really good one if you want to try a small enclosure like the Altoids, or similar type. As with any chip, use a socket, and read the instructions first.

You can see the one I did in the Altoids tin at my website (link on bottom in Sig line), also if you look at my shack photo's (please don't laff) you will see the second one I built next to my power supply.

In a message dated 04/26/2000 11:07:56 AM Eastern Daylight Time, REDSBOY@aol.com writes:

> I need to build a keyer for my Emtech NW-40 (A fantastic little rig, by the
> way). I will build it "outboard" and power requirements are not a big
> concern
> since I don't plan to use it for backpacking. Cost and ease of use ARE
> considerations.
>
> The K1EL K10 looks like a good compromise. Chip, board and partial parts
for
>
> \$15 postpaid seems quite reasonable and it gives me pot control and
memories.
>
>

72, 73, oo's

Dan, N8IE Kettering, Oh

FPqrp #-6, QRP-1 #1404, FISTS #4985, Zombie #667 SOC #284

<http://members.aol.com/shephed/n8ie.htm>

Date: Wed, 26 Apr 2000 11:27:07 -0500 (EST)

From: igeq100@iupui.edu

To: ABCQRP <w6abc@yahoo.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [68736] Re: Which DSW kit to buy?
Message-ID: <Pine.HPP.3.96.1000426112242.4055B-100000@ruby.iupui.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Jack -

I built a DSW-40 several months back and a DSW-30 a few days ago. Both worked very well and I am extremely satisfied. I think your choice hinges on which band you want to work while travelling. While 40 is a bigger and more varied band and is open more of the time, antenna problems are significant. On 30 meters the band is "cleaner" but smaller and open less often, but the antenna situation is easier. But you won't go wrong with either DSW.

72/73

Richard Meiss, WB9LPU

On Wed, 26 Apr 2000, ABCQRP wrote:

> Hi, I've decided to add one of the DSW "Small Wonder"
> rigs to the QRP stable (I like the blue case). I
> already have the K2 and a "Redhot" NC-20. I was
> wondering which one of the DSW kits to build next.
> Since I have a 20 meter rig with the NC-20 that leaves
> 80-40 and 30 meters as a choice in the DSW line. I
> would use it mostly for take along when travelling.
> Anyone have experience with this radio? Oh, and yes,
> I am going to tackle the SMT kit too.
> Thanks,
> Jack W6ABC
>
>
> -----
> Do You Yahoo!?
> Send online invitations with Yahoo! Invites.
> <http://invites.yahoo.com>
>

Date: Wed, 26 Apr 2000 09:36:21 -0700
From: dave_epps@juno.com
To: qrp-1@lehigh.edu
Subject: [68737] SMK-1 Toroid

Message-ID: <20000426.094209.-168647.0.dave_epps@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

If I had looked at the picture of the loaded board closer I would have wound and mounted mine the way shown. As shown the windings are spread out around the toroid and it is parallel to the sides of the board. All of my windings are close wound and at the bottom of the toroid (I know better just got in a hurry) and mine is mounted parallel to the front of the board.

BUT Mine works and it works good. Shows 300 mw on the WM-2.

My last contact was with Adam KC6PGA in Novato near Sanfran and he was using a

hamstick from his balcony. This is definitely a useable radio.

dave ab5pc fresno, ca.

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<http://dl.www.juno.com/get/tagj>.

Date: Wed, 26 Apr 2000 10:57:47 -0600

From: "Marshall Emm" <mgemm@mtechnologies.com>

To: QRP-L@lehigh.edu

Subject: [68738] Solder Pot

Message-ID: <3906CBAB.10083.42C67D@localhost>

MIME-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7BIT

With all the talk of inhaling stuff I should start by saying this is about a solder pot, not solder and pot.

Could someone who has used one please tell me the recommended tool/technique for skimming off the dross?

Marshall Emm, N1FN

Milestone Technologies, Inc.

(303) 752-3382

<http://www.mtechnologies.com>

Date: Wed, 26 Apr 2000 10:02:11 -0700 (PDT)
From: Dave Pomeroy <dave_pomeroy@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [68739] grounding
Message-ID: <20000426170211.3788.qmail@web1104.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I just added a computer to my K2 & power supply in my shack. Was wondering just what is the recommended way to ground the computer and K2. Should I just hook the K2 Ground lug to a chassis screw of the computer? Any and all comments and answers will be appreciated. If you answer direct to me, I'll summerize to the list. Thanks for the bandwidth.

=====

Dave Pomeroy K8DNP Southwest Michigan

Do You Yahoo!?
Send online invitations with Yahoo! Invites.
<http://invites.yahoo.com>

Date: Wed, 26 Apr 2000 10:10:53 -0700 (PDT)
From: ABCQRP <w6abc@yahoo.com>
To: qrp-1@Lehigh.EDU
Subject: [68740] Which DSW rig...Thanks!
Message-ID: <20000426171053.2153.qmail@web2101.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Thanks for the comments. I think I'll go with the 40 meter version so I can work all of the SMT and TTII's Hi hi! The toss up I guess was the quiet (30) band vs. more activity on (40 meters). I most likely will be using the DK9SQ loop and 33' mast with it, which incidently works very well with my other QRP radios out in the field. I waited about 4 months for my antenna from Bill at Kanga USA but it was worth it. I think he said there would be some for sale at Dayton if anyone has been looking at this option as a portable antenna for 40-10 meters. (It looks great when it is in the air too.)

73,

Jack W6ABC

Do You Yahoo!?
Send online invitations with Yahoo! Invites.
<http://invites.yahoo.com>

Date: Wed, 26 Apr 2000 13:11:41 EDT
From: Mercxx@aol.com
To: qrp-l@lehigh.edu
Subject: [68741] Looking for a Poquet
Message-ID: <ea.4784e7f.26387d4d@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Good afternoon,

I am looking for a Poquet plus for QRP overseas mobile operations. Looking to get everything lighter.

73
Steve
N4TKP
QRP-L #1763
FISTS #4922

Date: Wed, 26 Apr 2000 10:44:06 PDT
From: "Doug Hendricks" <ki6ds@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [68742] SMK-1: Great job on posts and keep the feedback coming
Message-ID: <20000426174406.2399.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Guys, Jim Cates is an amazing man. He packed and mailed 400 kits in 3 days, one of which he took off because it was Easter Sunday. Now Jim is going to take a well deserved vacation to Europe and will be gone for two weeks. He has shipped every order that was received as of yesterday, taking 6 more kits to the post office today. Jim will be gone for two weeks. If you ordered a kit early and do not receive it in the next week, contact Jim when he gets back. If you just sent a check in the last week or so and your kit does not come, it means that the order did not get to Jim in time to be shipped before he left. Thanks to everyone who ordered.

I am kitting like crazy, I have 50 more kits ready for Jim and will mail them to him so he will have them ready to ship when he gets back. We will be doing another run of 500 of these, as they are going to be popular.

The early feedback has been very good with a couple of excellent suggestions. I must comment on one post though. Someone suggested using a styrofoam egg carton to put the part in. That works great with leaded parts, but PLEASE, PLEASE don't open your kit and put the parts in a styrofoam egg carton. You won't be able to identify some of them!! Open only 1 section of the parts bag at a time, install all of the parts in the section and then go on to the next section. But PLEASE don't open more than one section at a time.

Lost parts. Be careful, work in a clean area and take your time. If you do lose parts, we will replace them as stated in the manual.

Please keep the feedback coming. It is important to us, especially since we have more kits coming down the pike, and we want to get better. Have fun and melt solder. Keep the posts coming. 72, Doug, KI6DS

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>

Date: Wed, 26 Apr 2000 12:23:22 -0600
From: Ray Colbert <af852@rgfn.epcc.edu>
To: qrp-1@lehigh.edu
Subject: [68743] April 2000 Quarterly
Message-ID: <3907341A.9E3DB05E@rgfn.epcc.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The April 2000 QQ arrived in Far West Texas today and another great issue. Congratulations to all of the editorial staff and contributors for a job well done.

How well I remember my PM2B that I used to have and last I heard, went to Jim Stevens, KK7C out Utah way. Don't know if he ever put it on the air. The article brings back memories.

Hopefully the QRPp will be in soon, too for more great reading.

73
Ray

--

"The more I see of the representatives of the people, the more I
admire my dogs." letter from Count d'Orsay to John Foster 1850
Ray Colbert, W5XE, 00TC#3618, SOWP#1064M NARTE-NCT2 SOC#78
MI-QRP 379QRP-ARCI 5784 NORCAL 1110, El Paso, (FAR WEST) TEXAS

Date: Wed, 26 Apr 2000 13:30:31 -0500
From: "Joel Kluender, NF9K" <nf9k@eudoramail.com>
To: qrp-l@lehigh.edu
Cc: tothm@polarfab.com
Subject: [68744] Battery Charging Question
Message-ID: <MKNCHBELADLJAAAA@shared1-mail.whoohere.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Language: en
Content-Transfer-Encoding: 7bit

All,

I am planning on charging a marine battery for my company field day operation and doing it from solar panels. Not being familiar with marine battery charging, and knowing that the manufacturer says you should charge at a "constant voltage of 14.8", please help me understand a few things:

- (1) If I slowly charge the battery through my panel, a diode, and a series resistor such that the charging voltage across the battery is close to and tracks the internal voltage state of the battery, how much damage am I doing to the battery by not doing a constant voltage charge?
- (2) Are gel-cells more, less, or similarly robust against damage from charging at less than 14.8 (i.e., ramped voltage instead of constant voltage)?
- (3) Can anyone point me to useful websites describing simple homebrew charge controllers that run off of solar panels? I've found plenty of info on how to charge but not on how to build the charger. All the chargers I see at the surplus stores are AC plug-in types.

Please reply both to the list (if you like) and directly to nf9k@eudoramail.com since I am in digest mode and want to put the charger together ASAP (sun's a wastin!)

Thanks for the wisdom,
Joel NF9K

Joel Kluender, NF9K
870 Prairie Street S.

Shakopee, MN 55379

Great is the Lord, and worthy of praise!

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<http://www.eudoramail.com>

Date: 24 Apr 2000 15:12:59 -0400
From: Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>
To: qrp-l;;
Subject: [68745] where $Z = V_{cc}^2/(2 \times P_o)$ comes from
Message-ID: <2000Apr24.151259-0400@[130.113.234.7]>

Been helping mark final exams. After seeing students just pluggin' numbers into memorized equations, you can see that rote regurgitation doesn't work.

So we've all seen this equation, used to calculate the collector impedance or plate impedance required by a final amp:

$$Z = V_{cc}^2/(2 \times P_o)$$

where Z is the required collector or plate load in ohms, and Vcc is the DC supply voltage and Po is the output RF power in watts.

There's a basic assumption that the peak-to-peak collector voltage is twice the supply voltage. And the collector voltage waveform is a clean sinewave. Both are shaky assumptions, but the formula generally works OK. The collector pulls down to ground to give a peak voltage equal to Vcc. When the collector let's go, voltage swings above Vcc by the same amount.

The collector voltage usually isn't a sinewave, but the sinewave equivalent (sans harmonics) roughly conforms to the assumption mentioned above. We've used this formula for decades. Let's follow it through...

peak-to-peak collector voltage = $2 \times V_{cc}$. Let's find the RMS value of this, assuming its a sinewave. The conversion factor between peak-to-peak and RMS for a sinewave divides by twice sqrt(2):

$$V_{rms} = V_{pp}/(2 \times \sqrt{2})$$

in our case Vpp is twice Vcc:

$$V_{rms} = (2 \times V_{cc})/(2 \times \sqrt{2}) = V_{cc}/\sqrt{2}$$

The power at this point is the RMS voltage squared divided by the collector load. This collector impedance is determined by the output filter transforming its 50 ohm

load to Z at the collector:

$P_{out} (rms) = (V_{cc}/\sqrt{2})^2/Z$

$P_{out} = V_{cc}^2/(2 \times Z)$

This is the decades-old formula relating output power to DC supply voltage and collector or plate impedance.

So quit memorizing formulas, and remember first principles.

Glen VE3DNL

Date: Wed, 26 Apr 2000 13:31:41 -0600
From: Ray Colbert <af852@rgfn.epcc.edu>
To: qrp-l@lehigh.edu
Subject: [68746] Re: April 2000 Quarterly
Message-ID: <3907441D.8B7280B6@rgfn.epcc.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

And I forgot to mention the repositor for all of that fine looking TenTec classic qrp gear - Paul W8KC, and I hope he will have more nice pictures to grace the cover of the Quarterly in the future.

Another reason I was anxious to see this issue was to see what place I may have ended in the Fall QSO Party after a more than 12 year absence from qrp testing. Welllll, so much for filing the results via E-mail!!! My <700mW qrpp and 412,500 point effort apparently did not count as there was no listing to be seen. Oh well, it is my log anyway.

--
"The more I see of the representatives of the people, the more I admire my dogs." letter from Count d'Orsay to John Foster 1850
Ray Colbert, W5XE, 00TC#3618, SOWP#1064M NARTE-NCT2 SOC#78
MI-QRP 379QRP-ARCI 5784 NORCAL 1110, El Paso, (FAR WEST) TEXAS

Date: Wed, 26 Apr 2000 12:35:05 -0700
From: Jim Slouber <jslouber@highsierraelectronics.com>
To: nf9k@eudoramail.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [68747] Re: Battery Charging Question
Message-ID: <390744E9.3D5E2BC@highsierraelectronics.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Joel,

My company (High Sierra Electronics) manufactures a solar panel regulator. It is a linear regulator set to provide a 'float' voltage of 13.7 Volts. The maximum current is 3 amps. This is a very safe approach which will not create excessive gassing of the electrolytic. High charge voltages will take a battery from 90% full to 100% full faster than a float charger, but needs to be either automatically or manually disconnected so as not to damage the battery. The automatic ones are referred to as two step regulators and typically cost around \$100.00 (such as a Trace C-12). Our regulator is the model 5310 and costs \$ 28.00. We take credit cards and the phone number is 1-800-275-2080.

Thanks,

Jim Slouber, KF6TIE

Joel Kluender, NF9K wrote:

> All,

>

> I am planning on charging a marine battery for my company field day operation and doing it from solar panels. Not being familiar with marine battery charging, and knowing that the manufacturer says you should charge at a "constant voltage of 14.8", please help me understand a few things:

>

> (1) If I slowly charge the battery through my panel, a diode, and a series resistor such that the charging voltage across the battery is close to and tracks the internal voltage state of the battery, how much damage am I doing to the battery by not doing a constant voltage charge?

>

> (2) Are gel-cells more, less, or similarly robust against damage from charging at less than 14.8 (i.e., ramped voltage instead of constant voltage)?

>

> (3) Can anyone point me to useful websites describing simple homebrew charge controllers that run off of solar panels? I've found plenty of info on how to charge but not on how to build the charger. All the chargers I see at the surplus stores are AC plug-in types.

>

> Please reply both to the list (if you like) and directly to nf9k@eudoramail.com since I am in digest mode and what to put the charger together ASAP (sun's a wastin!)

>

> Thanks for the wisdom,

> Joel NF9K

> ---
> Joel Kluender, NF9K
> 870 Prairie Street S.
> Shakopee, MN 55379
>
> Great is the Lord, and worthy of praise!
>
> Join 18 million Eudora users by signing up for a free Eudora Web-Mail account at
<http://www.eudoramail.com>

Date: Wed, 26 Apr 2000 16:11:03 -0400
From: john@neknetwork.com
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [68748] WTB: ZM2
Message-ID: <39074D57.746F89C3@neknetwork.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello,

I'm looking for a used and working, or new (and working!), or so new
it's still in kit form (and waiting to work) ZM-2 tuner from Emtech.
Please email me with your price, including shipping to zip 05830.

Thanks es 73,

John, KB1ENS

--
John Wagner - john@neknetwork.com
Web page: <http://www.neknetwork.com>
Affordable web site hosting under your domain name!
C/C++, Perl, CGI, RDBMS, Web site creation and
Network Administration

Date: Wed, 26 Apr 2000 15:20:22 -0500
From: "Gary Lee Phillips" <ka9nzi@arrl.net>
To: qrp-l@Lehigh.EDU
Subject: [68749] RE: NO antennas allowed!
Message-ID: <200004262020.PAA16757@mail.lib.colum.edu>

Yep, the builders or developers are usually the ones who make the rules. But here's a hint about why it happens. I watched this in an area where my Dad built a home in Florida, back in the 80s.

Developer figures broadcast TV reception in the area isn't very good. Asks local cable service if they will wire the proposed development. Cable service says: sure, for XXX dollars. Developer says "No way. You are going to make the profit off that." Cable service says: "OK, no wiring then."

Since the area is outside any incorporated body that has a cable licensing agreement, it all works down to negotiations between the developer and the cable service. The cable service(!!) wants the antenna restriction. They want every resident to be forced to subscribe to cable in order to get TV reception. And we all know that its a rare household that will live without TV any more... Ultimately the developer puts in the restriction to please the cable service, and get the cable wiring free or at a greatly reduced cost.

Of course cable services don't like hams either, since we complain about them interfering with us and their users complain that we interfere with reception.

The Congressional intervention was ostensibly made to force the cable services to "compete" and accept "competition" from the satellite network people. (Actually, it was probably made because the dish network people paid off enough congresscritters to get it voted in.) It would take similar action to get Congress to do anything for amateur radio in restricted developments.

The best long term plan is still to boycott developments that try to enforce these restrictions.

-- Gary Phillips, Marengo, IL <mailto:ka9nzi@arrl.net>
KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg
QRP-ARCI #5154 <http://www.netcom.com/~fuffile/>

Date: Wed, 26 Apr 2000 13:25:49 PDT
From: "Doug Hendricks" <ki6ds@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [68750] SMK-1: Suggested reading and feedback
Message-ID: <20000426202549.16122.qmail@hotmail.com>
Mime-Version: 1.0

Content-Type: text/plain; format=flowed

>From: Mike Schettler <mike.schettler@trw.com>

>To: ki6ds@hotmail.com

>Subject: Re: SMK-1: Suggested reading and feedback

>Date: Wed, 26 Apr 2000 13:15:46 -0700

>

>Hi Doug,

>I saw your message on QRP-L asking for comments on the SMK-1, and
>thought I might pass on mine. I got my kit on Monday nite (box #77), and
>after looking it over started on it Tuesday nite. I have zero experience
>with SMD, but have built many kits. I consider my tools for this project
>to be fairly good. I have a temperature controlled iron, good tweezers,
>silver solder, lighted magnifying lamp, and don't drink coffee! My 47
>year old eyes work pretty well on close-up stuff.

>

>First comment is to repeat what others have said regarding the kit. The
>packaging job is absolutely first rate. The method of using the small
>"sub-bags" really seems to work well. You and all who participated in
>the kitting are to be thanked profusely.

>

>I did do one thing that really helped me, and have not seen discussed.

>

>I would guess that one of the things to REALLY avoid is putting a part
>in a wrong location. To help prevent that, I did the following:

>

>1) Make about 8 to 10 copies of the parts placement drawing (page 6 of
>the SMK-1 manual), or make enlarged photocopies of the PC board. What
>you want to clearly see is the part designators (R1, C2,...) on the
>board.

>2) Go thru the instructions and use a hi-lighter to show the location of
>the first 10 (or so) parts to install. You are making a "visual aid" to
>facilitate locating the parts when it is time to solder them in.

>3) Get another of your photocopies and repeat for the next 10 parts.
>Label each copy as to which line items it is to be used for. I.e, sheet
>1 is for line 6; sheet 2 is for lines 1 thru 5. Etc...

>4) Check your work!! When you have colored in each of the parts, you
>will have about 8 pages that will help locate an individual part when
>you install it. Less time searching for the location of C13, and less
>chance of putting it in the wrong socket.

>

>Well, that's my suggestion. I hope to finish the kit in a couple of
>days, and am anxiously looking forward to the 10M SMD kit.

>72

>Mike Schettler WA6MER

>

>PS, I am sending this from work, and don't have a QRP-L subscription
>here. Feel free to post on QRP-L.

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>

Date: Wed, 26 Apr 2000 16:32:32 -0400
From: "Richard E. Robinson" <rerobins@email.uncc.edu>
To: "Peter Vaughan" <pjv@bldserv.demon.co.uk>
Cc: qrp-l@lehigh.edu
Subject: [68751] Re: [Elecraft] Charging Lead Acid Batteries
Message-ID: <v03102809b52d01cfd437@[152.15.144.71]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Peter Vaughan, writes;

>Now I'm not suggesting the UC3906 be incorporated into the K2 but the
>application note may clear up lots of queries regarding charging voltages
>and battery capacity.

Here is the URL from the TI web page. It's an application note in .pdf
format regarding chargers using the UC3906

<http://www-s.ti.com/sc/psheets/slva115/slva115.pdf>

This looks like it could answer any questions.

72,

Rick kf4ar

Date: Wed, 26 Apr 2000 16:30:55 -0400
From: Barry J Minsky <w2bj@juno.com>
To: WA6GER@AOL.COM
Cc: qrp-l@Lehigh.EDU
Subject: [68752] Re: SMK-1 mailing. Postage refunds
Message-ID: <20000426.163430.-328329.0.w2bj@juno.com>
MIME-Version: 1.0
Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Jim,

With all of the volunteer work you do, I cannot imagine asking you for a refund. I trust nobody else will. Have a great trip.

On Wed, 26 Apr 2000 11:29:26 EDT WA6GER@aol.com writes:

> Yesterday at 9:00 AM, PDST, the last of this run of 400 kits were
> placed in
> the hands of the postal people. If you do not receive your kit in
> two weeks,
> then it is most likely my fault. Let me know.
>
> However, I will not be able to rectify any mistake before then,
> because I am
> leaving Friday and will be gone until May 12, back from Southern
> Europe and
> Northern Africa just in time to get ready to go to Dayton. Catch me
> in
> between. (Oh, the life of a retiree is a tough one, but someone
> has to keep
> the global economy going.)
>
> Because of the upcoming trip, I did hurry getting the kits mailed,
> but I
> would have made mistakes anyway, so that is not an excuse. (Darn, I
> really
> tried not to!) But it is the reason I did not record multiple orders
> where I
> was able to ship in one box, and payment for shipping for each kit
> was sent,
> e.g., \$8.00 for two kits, and I mailed them in one priority box.
>
> Let me know and I will send the refund. No "proof" required. QRP
> honor
> system.
>
> Reason some of you got the kits "before they were mailed," is
> because I told
> Doug I would mail them Wednesday, and should have said "BY
> Wednesday." Did
> 250 kits on Monday, when the rest of the manuals were received from
> the
> printer, and mailed them on Tuesday. Made the first run to the post
> office
> at 7:30 AM. (so much for logistics. Yawn.)
>
> Enjoy!

>
> jim, WA6GER

72/73,
Barry J. Minsky, W2BJ
ARRL, QRP ARCI #8871, NorCal #1560, QRP-L #1543, FISTS #2701, Century
Club #569, Platinum #51, Silver #119, FISTS CW Club of Coastal Georgia,
Knightlites, Adventure Radio Society #359,
Six Club #151, QCWA #29298, OOTC #3723, SOC #193

Date: Wed, 26 Apr 2000 14:01:52 -0700
From: "K7FD" <cqdx@teleport.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [68753] SS Clean Sweep Cups
Message-ID: <000901bfafc2\$a5bce700\$a78c80a7@lincoln.k12.or.us>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

WOW! Very nice...SS Cups received in the mail today.

John K7FD, CW 99SS Cup
Annette N7SG, SSB 99SS Cup

Date: Wed, 26 Apr 2000 15:35:49 -0500
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [68754] Re: Back to Vacuum Tube Technology
Message-ID: <000301bfafc2\$abd76700\$05987b7b@CSS0048.bergenbrunswick.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I knew I saved all of those ol' tubes for a reason. Now I gotta to start
cuttin' some sheet metal!

Dan W. Dooley WB5TKA Bedford, Texas EM12ku
e-mail to: dandooley@pipeline.com
May Goddes love blest ye alle
SOC#198

"Ancient Pistol, I do partly understand your meaning."

-----Original Message-----

From: Roger J Wendell <zeekzilch@juno.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Wednesday, April 26, 2000 9:45 AM
Subject: Back to Vacuum Tube Technology

>
>Subject: Arise and resist!
>
>
>(Thanks to Art WA50ES and Glenn AE0Q for passing this around);
>
><http://w3.gwis.com/~joelr/gearpix.htm>
>
>
>
>
>WB0JNR
><http://www.rogerwendell.com>
>
>
>
>
>-
>--
>---
>-----
>YOU'RE PAYING TOO MUCH FOR THE INTERNET!
>Juno now offers FREE Internet Access!
>Try it today - there's no risk! For your FREE software, visit:
><http://dl.www.juno.com/get/tagj>.

Date: Wed, 26 Apr 2000 21:55:21 +0100
From: "KA5T Larry Wise" <lewise@inetport.com>
To: "qrp" <qrp-1@lehigh.edu>
Subject: [68755] SMK-1 trials and tribulations...
Message-ID: <200004262154.QAA23242@admin.inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Another Texas SMK-1 up and running.

RX Tunes: 7036.56 7039.15

TX Tunes: 7038.31 7039.24

Power out with 12.56VDC Batt ~ 250 mw

Now for a qso....

Larry KA5T
Georgetown, TX

Date: Wed, 26 Apr 2000 15:20:28 -0700
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-l@Lehigh.EDU>
Subject: [68756] Re: where $Z = V_{cc}^2 / (2 \times P_o)$ comes from
Message-ID: <01bfafcd\$a04ab3f0\$6edcfc9e@ham.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Glen
Nice tutorial. Never hurts (Hertz ?) to go back to basics, especially when assumptions are built into the formula "everyone knows".
Thanks, and please continue.
73, Bob N6WG

Date: Wed, 26 Apr 2000 18:34:39 EDT
From: K2UD@aol.com
To: ki6ds@hotmail.com
Cc: qrp-l@lehigh.edu
Subject: [68757] SMK-1
Message-ID: <39.4433160.2638c8ff@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Building ham gear (QRP) with surface mount parts is not only possible but,

believe it or not, fun. No, I do not enjoy visits to the dentist.

The tools needed to complete an SM project may already be in your tool kit. There is little in the way of specialized tools used here to work with SM. A pair of hemostats, tweezers, a small tip soldering iron, skinny solder, perhaps some Loctite (to hold parts down) and toothpicks.

A recent project here has been an ATV transmitter PCB smaller than a 9V battery. I built one about 8 years, simply duplicated it now. It worked then, and the new one works now.

Patience helps, as does good eyes (or magnification), and a simple means of holding your work. PCB holders (Panavise) will work, but so will clothespins.

I am not sure that I would want to tackle a feature-laden HF transceiver using all SM, but something in the QRP category is certainly do-able and withing the realm of most home-builders. The upcoming NorCal project sounds like it will fit this category comfortably.

72

Howard Kraus, K2UD

Date: Wed, 26 Apr 2000 18:36:12 -0400
From: "K3GM" <k3gm@home.com>
To: <FrConrad@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [68758] Re: Speaking of melted solder.....
Message-ID: <003401bfafcf\$d31c46c0\$246e0c18@adubn1.nj.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Father John said:

.....
> My point is that worry and stress will kill you faster than (moderate
amounts
> of) smoke and whisky. What the smell of melting solder does for the soul
> offsets any adverse effects it might have on the lungs IMHO.
>
> Boy am I in an Easter mood. Flames direct please.
>
> John+
> WB6MFS
>

Have to go with the Padre on this one. One whiff of melting solder and it brings back memories of every Heathkit, Dynakit, Knightkit, Lafayette kit I ever built. "Moderation" is the key word here. Speaking of heavy metals, did I ever tell you how as a kid I never left the dentist's office without a vial of mercury to play with..... ;)

Tom K3GM

Date: Wed, 26 Apr 2000 17:52:22 -0500
From: Michael Melland <badger@vbe.com>
To: qrp-l@lehigh.edu
Subject: [68759] April QRP Qtrly - Cheaper 2n3553's
Message-ID: <39077325.80294CB0@vbe.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

In the idea exchange there is a letter regarding the high cost of today's 2N3553's (\$5.50 each quoted at RF parts in the article). The suggestion (very valid) is that the \$1.50 2SC2166 works well and may be a good lower cost replacement. I have been buying "house marked" 2N3553 transistors for .99 each from BG Micro and they work great..... very satisfied.

<http://www.bgmicro.com/>

Thought I'd mention this in case others are looking for a source of 2N3553 transistors. BTW these work great as replacement finals in Ten-Tec 509's.

73

--

Michael Melland, W9WIS
Winneconne, Wisconsin, USA
FISTS #4387, 10-10 #69281, QRP-L #1656,
QRP-ARCI #9875, AK/QRP #478, NorCal,
NJ-QRP #214, SOC #142, Cheeseheads QRP Club
CW, SSB, and Electronics
List Administrator: grundig@qth.net
<http://www.qsl.net/w9wis>

End of QRP-L Digest 1803
